

Produkte & Innovationen

**CeBit**

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### IT Infrastructure / Consumer Electronics

#### **Advanced widescreen notebook ideal for HD movies (506)**

The new Easy Note TN65 notebook from Packard Bell is said to feature a sophisticated design and a true widescreen display. Thanks to the integration of the new 15.6-inch display, the notebook is claimed to provide users with a superior widescreen viewing experience. With its real 16:9 aspect ratio and the Diamond View technology, the display is seen as ideal for viewing widescreen movies without any letter-box effect, especially when a Blu-ray disk is inserted. In addition, the device can be used as a standalone player for the TV when connected via an HDMI cable. The manufacturers also highlight the distinctive shape with its proprietary design. The tread-like texture of the cover is apparently enjoyable to the touch and also resistant against smears. The smart technology inside the notebook includes the latest Intel chipsets and Centrino 2 processors. Moreover, the ATI Mobility Radeon 3430 is specially geared to high-definition content and the Bluetooth and Wi-Fi a/g/n capability provides adequate connectivity. (Photos available)

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Hall: , Stand

#### **All-in-one travel adapter for USB charging (34)**

One of the products on display at the Ahoku stand will be their all-in-one USB travel adapter, a USB 2.0 charge port for the mains outlets in over 150 countries across the world. As the Taiwanese manufacturers point out, USB charging has become a general mode of restocking power for many electronic appliances. The universal plug/socket adapter also features surge protection and a voltage recognition indicator. Further specifications include a maximum current of 6A with 100 to 240 VAC, a blue lamp power-on indicator, RoHS compliance, and a USB charge of 5 VDC with a maximum of 500 mA. (Photos available)

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Hall: , Stand

**Aluminum flashlight with nine LED lamps (814)**

One of the products on show at the Camelion stand will be an aluminum flashlight with nine LED lamps. The Hong Kong-based battery specialists draw particular attention to the aluminum material and the extensive LED lifetime, which is specified as reaching up to 100,000 hours. The appliance comes complete with three AAA batteries and is seen as an ideal light for the home and outdoors. (Photos available)

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Hall: , Stand

**Attractive earphone with hi-fi sound quality (350)**

The new LH-MP90 from Shenzhen Laccess Technology is billed as an earphone with high-fidelity sound quality. The Chinese exhibitors draw attention to what they call the unique high-density sound, the metal housing with an attractive wooden shell, and the tiny dynamic speaker unit. The company also stresses that the earphone is based on production technology gained from many years of manufacturing experience. The in-ear device is claimed to produce superior sound quality. Additional data on the homepage of the manufacturers also specifies a sensitivity of 110 dB plus/minus 3dB and a frequency response from 20 to 20K Hz. (Photos available)

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Hall: 019, Stand F64

**Barebone system with front power switch control (255)**

One of the new products on show from Fabrimex Far East will be a barebone system with the product designation FTW-PCSYS 100-0001FXS. The system features a front power switch, front reset, front USB, a 3.5-inch drive bay, and the option of two 2.5-inch hot-swap Raid modules. In their specifications, the Taiwanese manufacturers also mention the 12 VDC output and COM and DVI outputs. The hardware measures 340x225x100 mm. (Photos available)

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Hall: , Stand

**Bluetooth digital notepad for PC and smartphone (269)**

The Acecad Digi-Memo is a new stand-alone digital notepad with memory that digitally captures and stores everything written with ink on ordinary paper without using a computer. As a result, users can easily view, edit, organize and share their notes in Windows. The optional handwriting recognition OCR software can be implemented to convert handwritten notes into digital text for sending to Word or Outlook. Alternatively, the notes can be sent to Microsoft Office One Note, where they can then be converted to digital text, organized, and searched. With the optional Bluetooth Transmitter module, the device can send an e-mail or MMS written on paper or sticky note by smartphone. Users can also keep and view their paper sticky notes as small pictures on their smartphone and send them via MMS later. The digital notepad is seen as the optimal solution for paper form applications that need a paper copy of the form and digitally filled-out data. As is pointed out, by using the unit and the form software, it is no longer necessary to retype or rescan any handwritten forms. (Photos available)

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**Bluetooth headset with advanced noise filtering (773)**

I.Tech will be displaying its I.Voice Pro 901 Bluetooth headset, reportedly the first headset on the market with dual microphones using the Bluetooth profile version 2.1 to deliver professional voice quality. Equipped with advanced noise-filtering technology and dual microphones designed to kill all noise, the device was apparently specifically designed and tuned for voice pickup applications. The microphone array reportedly enables the pickup of near-field signals but excludes the pickup of undesired far-field noises. As is maintained, the signals from faraway are ignored while the desired signal reception remains clean and clear. As a result, the exhibitors insist, the user does not have to speak louder and can keep talking all day long. As regards the voice separation technology, the appliance uses a patented algorithm based on the physics of sound waves and the different time of arrival. The noise filter software is claimed to intelligently recognize the user voice and is thus able to provide near-perfect voice recognition without any distortion, even in very noisy environments. The wind resistance and the u-shape of the microphone are also highlighted. (Photos available)

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Hall: 020, Stand B51

**Bluetooth headset with laser pointer and flashlight (774)**

I.Tech points to a new milestone with its creation of the Blue-Pointer, which is headlined as the first three-in-one Bluetooth headset with integrated laser pointer and LED flashlight. The ultra-compact design of the device reportedly incorporates the practical features of a headset, a laser pointer, a remote scrolling capability for PC presentation, and an LED flashlight. The headset integrates Bluetooth version 2.0 plus EDR to work with a wide selection of mobile phones with good audio quality. The laser pointer can be used as a standalone component in PC mode and its laser beam is claimed to facilitate an easy highlighting of presentation points. As is explained, the remote scroll allows users to scroll PC presentations wirelessly after having paired the headset with the PC. According to the exhibitors, this enables people's attention to be grabbed during presentations or meetings. The ultra-white LED flashlight is described as a unique feature of the gadget that can be used whenever and wherever required. (Photos available)

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**Bluetooth stereo headset connects two phones (770)**

The Clip Music 801 is the smallest Bluetooth stereo headset among the I.Tech series. It is said to be the first stereo headset with a multipoint function that lets users connect and switch effortlessly between cell phone and PDA or between two phones. The manufacturers highlight the attractive look with all control buttons on the front for ease of operation. The device uses advanced Bluetooth technology in the version 2.1 plus EDR. Users can reportedly enjoy wireless music streaming from phones. It comes with a special clip for wearing flexibility and a 3.5 mm audio jack. The manufacturers also point to the support for the A2DP and AVRCP profiles, the advanced mobile away alert function, the three different incoming buzzer alerts, and the charging option from PC via a USB cable. The standby time is specified as up to 150 hours and the device weighs 15 grams. (Photos available)

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**Bluetooth stereo headset with clear OLED display (771)**

The ultra-compact I.Tech Clip D-Radio Bluetooth stereo headset is claimed to combine both entertainment and communication in one. The clear OLED display, the built-in FM radio function and the high-quality stereo output are seen as offering a good wireless solution for users on the road. The device supports the latest Bluetooth version 2.1 plus EDR technology. It plays high-quality stereo music from a phone's music player or built-in FM radio and switches freely between music and phone calls. The stereo output sound-to-noise ration is specified as up to 90 dB. The display reportedly makes call handling and FM radio searching easier. Thanks to the DSP technology, the enhanced CVC echo and noise cancellation apparently ensures crystal-clear conversation. The Bluetooth headset is billed as the first with three different incoming buzzer alerts. In addition, the clip-on function serves to increases user mobility. A 3.5 mm audio socket is also integrated. Additional merits include the charging option from PC via a USB cable, the talk time and music playing time of up to seven hours and the standby time of up to 150 hours. (Photos available)

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Hall: 020, Stand B51

### **Bluetooth-compatible bone conduction headsets (739)**

Goldendance will be introducing their Bluetooth-compatible bone conduction headsets. As is explained on the homepage, the so-called bone conduction technology enables sound to be heard with the bones. It has attracted much attention because it makes hearing possible in noisy environments and lessens the burden on the eardrums. The Japanese company claims to be unveiling the first stereo bone conduction headset that can be easily paired to Bluetooth-compatible music players and cellular phones.

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Hall: 019, Stand D49

### **Blu-ray disks for high-capacity storage (271)**

The digital storage specialists from Media Range will be presenting their Blu-ray disks at the fair. As the exhibitors explain, the advent of Blu-ray technology has led to the introduction of high-capacity storage disks to meet the demand caused by the rapid growth of high-definition television (HDTV). The disks get their name from blue laser technology, whereby the shorter wavelength of the laser is the reason it is blue in color. The blue laser has a wavelength of 405 nm compared with the wavelength of 650 nm with DVD technology utilizing red laser technology. The new technology apparently makes it possible to write smaller data pits and therefore vastly increase the amount of data on the disk. Three to five times the storage capacity of a standard recordable DVD disk is available, thus enabling the recording, rewriting and playback of high-definition video. The printable version of the disks allows individualization with customized imprints. (Photos available)

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Hall: , Stand

**Bone conduction headsets for noisy environments (741)**

Double Bone is new headset for professionals who work in noisy environments. According to the exhibitors from Goldendance, clear sound can be heard and transmitted even in particularly noisy surroundings. The headset is seen as suitable for traffic, restaurant and event environments, for party venues, for airport and airline operations, for use on construction sites and harbor facilities, for transport companies, and for hotels. It should be of special interest to professionals like security guards, the military, law enforcers, firefighters, construction site workers, or airline ground operators. The devices apparently make use of a bone conduction system for both reception and transmission. The hardware does not cover the ears and wearers can use earplugs to protect their ears from loud noises as well. (Photos available)

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**Bone conduction hearing aid in one-piece device (740)**

The Ear Sonic from Goldendance is a bone conduction hearing aid that is claimed to be the first of its kind. The technology is apparently integrated in a one-piece device hooked over the ear. The device is said to mean no more blasting of louder sound that causes more damage to the ears than it helps. With the bone conduction hearing aid, wearers can not only hear clear sound through the bones around their ears, but will also reportedly find that the aid is so natural and comfortable that they will not feel they are using a hearing device at all.

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### **Carrier-class enhanced web-accessing switch (113)**

The QSW-2500 A series of switches are billed as new-generation L2 carrier-class accessing switches with full wire-speed switching capacity, remote management, and abundant safety QoS policies. According to Q-Tech, they feature low power consumption and a mute design with V-Lan division, rate-limiting, link aggregation, packet filtration, as well as a user-friendly web configuration interface and one-button-recovery. The flexible combination of 5/8/16/24 10/100 Mbps fixed electric ports and one/two extended interface with fiber link connection is said to exhibit a powerful stability and adaptive capacity to environment for residential areas, financial institutes, government, and other enterprise workgroup users. The main characteristics singled out by the manufacturers are wire-speed forwarding, convenient maintenance, multimedia business support, flexible security control policies, and high reliability. (Photos available)

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Hall: 012, Stand B83

### **Carrier-class solution for broadband access (112)**

The Q-Tech Q-Pon-5700 has been designed for the strict requirements of carrier-class applications in order to meet the strict requirements of broadband access networks in aspects of bandwidth and services. According to the Russian manufacturers, it adopts distributed switching architecture with a low-density chassis, support-redundant power unit and redundant system control unit to ensure carrier-class reliability. Each Pon interface board provides a simple Layer 2+ switching function. The device can be installed in standard 19-inch or 23-inch racks. There are six board slots in each chassis, of which the top two slots are for the installation of 1:1 protected system control unit boards and the middle four slots can be used for the installation of standard Pon OLT (Optical Line Termination) boards with four Pon ports and four uplink GE ports. The system control unit is reportedly in accordance with 1+1 redundancy designs. When the main system control unit board fails, the backup system control unit board is activated immediately. (Photos available)

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Hall: 012, Stand B83

**Category 6A 10G patch cord solution (322)**

Uno Electronic in Hong Kong will be presenting a Category 6A 10G patch cord solution that reportedly meets the requirements of Gigabit Ethernet and EIA/TIA Category 6 applications. The one-meter patch cord is also said to comply with the TIA/EIA 568B.2.1 standard and to have passed various component and transmission tests. It features a patented multi-level plug configuration and a patented contact blade. Gold plating and a Teijin PC (polycarbonate) material are claimed to provide long-term resistance to corrosion from humidity, high temperatures, and airborne contaminants. The manufacturers stress the full compatibility with Cat.6/5e/5 applications. An insert-molded strain relief provides 360-degree protection against mechanical strain. UTP, FTP and SSTP patch cords are all obtainable and various colors and SR designs are available. (Photos available)

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**Cleaning kit for digital cameras in compact case (716)**

Procure will be explaining the benefits of their PC-7098/99 digital camera cleaning kits. According to the website, the package contents comprise a cleaning pen, and ultra-fine micro-fiber cloth, circular tips, triangular tips, the lens cleaning fluid, and an instruction manual. The system reportedly removes fingerprints, dust and other debris that may compromise the camera image. The three-in-one cleaning pen has a patented triangular pad for cleaning all the corners and the super-fine micro-fiber cloth can apparently wipe away even the smallest of dust particles or fingerprints. The kit reportedly works with all types of digital and film cameras as well as binoculars, telescopes, and other optical products. A non-alcohol cleaning fluid is implemented to clean the camera with safety in mind. Finally, a compact and portable hard case serves to protect the various cleaning tools.

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Hall: , Stand

**Cleaning system for mobile touchscreen devices (714)**

The IP-1068 mobile touchscreen cleaning kit from Procure in Taiwan is claimed to be the first portable screen-cleaning kit with a three-in-one function. According to the company website, the kit comprises a touchscreen cleaning pen, a stylus and SIM card pin for conveniently removing SIM cards, a micro-fiber pouch for use for storage purposes or as cleaning cloth, and an instruction manual. The manufacturers highlight the special design to effectively clean all mobile touchscreen devices such as the I-Pod Touch, the I-Phone, and smartphones in general, and point to the integrated stylus with soft and durable tip for more efficient typing. Users are said to be able to remove dust, stains and fingerprints effectively while also providing anti-static treatment. The ultra-fine micro-fiber cloth ensures that the screen will not be scratched during cleaning. The refillable design is a contribution to environmental friendliness.

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**Colored carrying cases for the Apple I-Pod Nano (225)**

Krusell International produces and distributes specially designed carrying equipment for portable electronics. On show will be the Encore range of cases for Apple I-Pod Nano. As the Swedish exhibitors describe them, the covers combine fun with functionality in that they are protective yet hip and trendy. Enclosed is a neck strap in black polyurethane with necklace locking. The available colors are listed as black solid, white solid, and metallic finishes in silver, red, orange, yellow, purple, pink, blue, and green.

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**Com Express module based on Intel Core 2 Duo (65)**

SBS Science and Technology will be presenting the new SCM-EXPD, a Com Express module based on an Intel Core 2 Duo processor with up to 2.2 GHz. The module features an Intel GM 965 Express chipset with 800 MHz Front Side Bus (FSB). Performance features include up to 2 GB DDR2 SDRAM, Intel GMA x 3100 graphics, and integrated Gen4 graphics with 24-bit LVDS support. Connectivity is provided by three serial ATA ports and one parallel ATA port, five PCI Express lanes, eight USB 2.0 ports, and one 10/100/1,000 Gigabit Ethernet interface. The temperature range is specified as from 0°C to +60°C, with an optional extended range from -40°C to +70°C. The manufacturers also draw attention to the passive cooling function and the Active Management Technology (AMT).

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Hall: , Stand

**Combination chassis for Micro-ATX and Mini-ITX (81)**

Jou Jye Computer will be exhibiting the NU-0590 ultra-slim chassis that can host both Micro-ATX and Mini-ITX motherboards. The thermally advantaged slim chassis offers the options of an internal or external power supply. It supports slim ODD, 2.5-inch HDD, and 3.5-inch HDD when mini-ITX boards are used. The optional card reader supports SD and MS flash memory cards. There are various configurations of front I/O access, including up to four USB 2.0 ports and HD audio. The drive space has room for one Slim DVD and one 2.5-inch hard disk. Ventilation is provided by a 60x20 mm cooling fan. Power is supplied by an internal 180/220/270 W unit measuring 81.5x40.5x150 mm or an external 80/100 W DC-to-DC board with AC adapter. The chassis dimensions are specified as 69x318x262 mm. (Photos available)

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**Combo drive for Blu-ray and other optical formats (234)**

Candy Technology plans to feature a new Blu-ray combo drive at the fair that supports reading of the large-capacity Blu-ray disks and all of the popular CD and DVD formats like BD-ROM, DVD-ROM, DVD±RW, and DVD-RAM. The device offers multi-recording capability for DVD±R, DVD±RW, CD-RW, and DVD-RAM. There is also support for hot swapping and plug-and-play functionality. A further merit highlighted by the Taiwanese exhibitors is the buffer under-run technology that has been integrated to prevent errors. (Photos available)

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**Combo interface for USB and E-Sata (287)**

Candy Technology announces the introduction of a new E-Sata and USB combo. As the manufacturers point out in their pre-fair report, the new technology combines the excellence of Sata and USB. As is pointed out, users do not have to deliver the electricity for the Sata interface since USB also effectively supplies electric power. Users merely have to insert the combo interface without any cable. According to its homepage, the Taiwanese-based company develops computer storage devices and multimedia tools and has specialized in providing different interfaces for its products such as USB, USB 2.0, PCMCIA, and IEEE 1394. (Photos available)

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### **Comfortable, easily carried back-band headset (351)**

The LH-118 from Shenzhen Laccess Technology is a new back-neck headset that is described as easy to carry and is seen as particularly suitable for sports use. The device is apparently foldable and very comfortable. As reported on the homepage, the microphone has a sensitivity of -58 dB plus/minus 3 dB and the figure for the speaker is given as 108 dB plus/minus 3 dB. The frequency ranges are specified as 20 to 16K Hz and 20 to 20K Hz respectively. The maximum input power is 80 mW. (Photos available)

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### **Common Interface card reader for satellite TV (73)**

The new Aver TV Sat Gate (A706C) is a Common Interface (CI) for the Aver-TV Satellite PCI/PCI-E series. The CI card reader allows users to increase their enjoyment of satellite TV by receiving Pay-TV channels on their PC. The company's Satellite series provides the pre-reserved slot for the connection. As the Taiwanese exhibitors explain, all that is needed is a valid subscription smartcard and a compatible CAM (Conditional Access Module) to receive scrambled digital satellite channels with the additional CI card reader. The unit is reportedly compatible with the Aver-TV Satellite PCI, Hybrid + FM and Trinity devices. (Photos available)

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**Compact and distinctively designed notebook (507)**

Packard Bell insists that its Easy Note RS 65 brings elegance into the compact class of notebooks. With its new moonstone look, the notebook is seen as a good choice for all design-oriented users looking for an artistic and emotional dimension in their notebooks. The designers have produced a honeycomb look in a trendy soft brown color with cool brushed aluminum. Attention has reportedly been paid to the smallest details, from the new, more comfortable keyboard to the hinge-mounted power button. The touchpad can be deactivated at the press of a button. The 13.3-inch display is deemed ideal for a genuinely mobile notebook. Although small, the notebook is powerfully equipped with the new Intel chipsets and Centrino 2 processors. Further features comprise a Blu-ray player, a switchable and power-saving dual graphics card with integrated GPU and ATI Mobility Radeon HD 3470, HDMI and DVI-I ports, a 1.3 megapixel webcam, and Wi-Fi connectivity up to 802.11n. (Photos available)

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Hall: , Stand

**Compact digital camcorders with three-inch LCD (438)**

The exhibitors from Chicony Electronics will be demonstrating a number of compact digital camcorders. The devices on show are said to incorporate a digital H.264 720p HD video camcorder, a digital still camera, HDMI digital AV output, and a card reader. The Taiwanese manufacturers point to the 5-megapixel CMOS HD DV and also draw attention to the 3.0-inch touch-panel LCD. There is also an HDMI interface with 720p or 1,080p. (Photos available)

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Hall: 021, Stand E64

**Compact high-definition digital video cameras (93)**

DXG will be introducing a new series of HD (High-Definition) digital video cameras under the names DVH 596, DVV 531 and DVH 517/527. All four HD models come with a 5.0-megapixel imaging sensor and HD video, and the first model is equipped with a five-time optical zoom lens. All feature extra-large LCD screens and work not only as HD digital video cameras but also take pictures. The last two exhibits are multifunctional HD digital camcorders with a stylish coating to give them a high-quality look and feel. These next-generation compact camcorders also incorporate a fixed-focus lens and user-friendly interfaces. They have been primarily conceived for family and personal use. The company adds that it constantly strives to create value for consumers by providing them with multifunction HD digital video cameras that are competitive to international brands both in quality and design. (Photos available)

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Hall: , Stand

**Compact, high-gain wireless USB adapter (375)**

Edimax will be exhibiting their EW-7711 UAn, a wireless N-Lite 3 dBi high-gain USB adapter that reportedly complies with wireless 802.11b/g standards and also supports higher speeds up to 150 Mbps when connected to a wireless 802.11n device. According to the company, the latest WLAN technology enables coverage to be increased up to three times further and reduces dead spots within the wireless range. The device supports both software WPS (Wi-Fi Protected Setup) configuration and features a hardware WPS button with robust WPA data encryption and authentication. The package also includes the EZ-Max setup wizard, which has sixteen languages for different countries. The compact design of the wireless adapter makes it convenient to carry. As is pointed out, the rotatable 3 dBi high-gain antenna can go from 90 degrees in the vertical to a complete horizontal. (Photos available)

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Hall: , Stand



**Compact, industrial-grade SBC mainboard (541)**

Unicorn Computer says it will be presenting the latest edition of its 3.5-inch SBC (single-board computer) Endat-7301. The device is said to offer the high performance of Via C7 fanless processors with high-speed DDR-II Dimm memory of up to 1 GB. It also features an integrated graphics accelerator, the S3 Graphics Uni Chrome Pro IGP, which reportedly delivers cost-competitive 3D, 2D, and video capabilities with sharp images and smooth motion. Moreover, the native dual-channel serial ATA/Raid controller has direct support for two 150 MBps serial ATA devices. The V-Raid controller features also serve to ensure optimum data integrity and system performance. As is claimed, the controller's user-friendly software interface enables easy disk array configuration to satisfy multiple applications such points-of-sale systems, kiosks, interactive systems, airport terminal controllers, and digital entertainment. (Photos available)

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Hall: , Stand

**Compact inverter system for home/office appliances (332)**

The Megatron inverter for 600 to 2.4K VA from Voltronic is described as a selectable, wide and narrow input voltage switch. The maximum charging current available is given as 20 A. The manufacturers in Taiwan point up the auto-restart function while the AC is recovering. Additional features include overload and short-circuit protection, an adjustable battery charging voltage, and the availability of an over-temperature indicator. The device is said to be compatible to generators and computer-related devices. Eight LEDs serve to indicate the status of various situations. A cold-start function is also integrated. (Photos available)

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Hall: , Stand

**Compact PCTV tuner card for laptops (71)**

The Aver-TV Hybrid Air Express (H 968) is a new PCTV tuner card for laptops. Without the need for a general Express Card, the 34 mm compact casing design allows it to fit perfectly in a modern laptop without interfering in the use of adjacent ports and leaves no protrusion of the unit outside of the computer. The built-in IR receiver enables users to watch PCTV without a bulky extension IR receiver for remote control. The latest Aver-TV 6 equips the advanced decoder to present 720p/1,080i HDTV programs. In addition, the device also offers advanced real-time H.264 recording compression technology up to a resolution of 320x240 dpi and I-Pod/PSP video format recording. According to the manufacturers, it adopts the best MCE software encoder solution for Windows Media Center Edition (MCE) so that users can watch or record DVB-T and analog TV programs directly under My TV on XP and Vista platforms. The exclusive Vista MCE video gaming plug-in can synchronize the video and audio of video games on Vista MCE, offering users the option of building up a home theater PC with more versatile entertainment. The ultra-low-power consumption is also spotlighted. (Photos available)

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Hall: , Stand

**Compact, slim micro-USB drive with Xmas designs (721)**

Choice Only will be showcasing their new Limited Edition Baby King 2008 Christmas micro-USB drives. The highly compact and slim micro-USB drives come in a wide range of colors and offer capacity configurations from 1 to 8 GB, identified by different totems. Through the addition of young and vigorous elements to the design, the range is seen as especially targeting a younger generation. The device can be hung on a mobile phone with a special pendant. The range is said to feature high stability and very high USB 2.0 transfer efficiency as well as effective resistance against water, dust, impact, and shock. The manufacturers also highlight the support for Vista Ready Boost and an energy-saving mode. Additional merits are reported to include a disk segmentation utility, powerful archive encryption and compression functions, the reception and sending of e-mails, auto-logins to websites, the synchronization of Favorites, and the synchronous updating of data. The dimensions are specified as 32x12x2 mm and the available colors as white, sky blue, green, pink, and purple. (Photos available)

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Hall: 015, Stand A23

### **Compact UPS units with superior active power yield (337)**

RPS reports the extension of the Multi Plus UPS series with the three-phase 30 and 40 KVA versions with a Power Factor (PF) of 0.9. The high-performance components and technology used in the series reportedly enables the Uninterruptible Power Supply units to achieve very good performance and efficiency levels from a very small footprint. As the company specifies, the lowest footprint in this category amounts to only 0.26 square meters in the case of its 20 kVA device, with batteries included. The type of input stage guarantees a power factor close to 1 and a low current distortion without the addition of filters. The output power factor of 0.9 apparently provides up to 15 percent more active power than a traditional UPS and more load expansion. In addition, the inverter construction is claimed to ensure a high yield of over 96 percent, which permits 52 percent of the energy dissipated in a year to be saved in comparison with similar products on the market with an average yield of 92 percent. In addition, the electricity savings from the operation of a 40 KVA UPS represent a contribution towards reducing CO2 emissions amounting to 6 tons per year. (Photos available)

RPS S.p.A.

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Hall: , Stand

### **Compact video recorder with multi-card support (59)**

The Flash Recorder VP 6060 from Vosonic is a video recorder that lets users capture TV shows, movies or any other video contents from analog devices, such as cable, satellite and DVD players, into flash memory cards. The recorded videos can be played back on TV via its A/V output function or on other compatible mobile devices like a PMP or notebook. The device supports multi-cards including Compact Flash, Memory Stick, Memory Stick Pro, Secure Digital, SD High Capacity and Multimedia Card. A schedule recording function is also integrated. According to the manufacturers, the simple user interface and remote control allow an easy selection of video formats, operating modes and setting options. The recording format is specified as up to Full-D1 30 fps. Moreover, the recorder can be connected to a TV so as to share photos stored in memory cards. Thanks to the USB 2.0 connection, video files can be copied and pasted from a computer into the appliance and vice versa. As is pointed out, unlike a traditional bulky video recorder, the product has been designed in a compact style with space-saving dimensions of 115x85x19 mm. (Photos available)

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## IT Infrastructure / Consumer Electronics

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Hall: 021, Stand A35

### **Compact, waterproof MP3 player for sport listening (158)**

A-Max Technology says it has developed a waterproof and sport MP3 player for people that like to play hard and use music to play even harder. The device has a compact size that is said to fit just about anywhere and combines a non-slip, protective rubber coating with a stainless-steel surface for extra handiness and durability. Its waterproof case is seen as ideal for underwater sports enthusiasts, swimming, paddling or just being in the water for fun, without worrying about water, sweat or salt ruining the player while enjoying favorite tunes on the player. (Photos available)

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Hall: 021, Stand C14

### **Complete cleaning solution for laptops and PCs (715)**

The NB-8088/89 laptop and PC cleaning kit featured by Procure is said to be easy to use on all laptop or PC computers with a simple and quick five-step process for cleaning all the parts. It is claimed to effectively remove dirt, dust, lint, oil and smudges. The manufacturers recommend cleaning once a week for optimal performance and good hygiene. The kit comes with a compact and portable hard case to protect the various cleaning tools and an innovative blower for cleaning out dust and debris from keyboards and other hard-to-reach areas. Particularly highlighted is the patented, triangular screen cleaner with an ergonomic handle to clean all corners of the screen as well as the special refillable keyboard cleaning pen for the keyboard areas.

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Hall: , Stand

### **Complete Raid solution for secure data (83)**

Jou Jye Computer will be showing the JJ-1225 SUSR, which is described as a complete Raid solution thanks to the use of two 2.5-inch Sata hard disks mounted in one 3.5-inch form factor drive space. It is used as a standard 2.5-inch HDD with mirroring capability, which maintains data in two disk drives simultaneously and securely. As is explained, if one drive fails, the solution automatically switches operations to the functional drive and after a new hard disk has been added, the data is mirrored back. The system features all 1 to 7 Raid modes in one, Easy and Go capability, support for up to 1 TB x 2, one-button backup for all types format, and automatic data rebuilding (Raid one mode). Further specifications include hardware DIP switch Raid setting and Safe33/Safe50 mode HDD. Powerful backup software is said to be included. The manufacturers also point to the USB 2.0 and Sata interfaces and the Sata-I or Sata-II disk interfaces. The enclosure is made of aluminum, has dimensions of 146x101x25 mm, and weighs 0.23 kg. (Photos available)

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Hall: 024, Stand D28

### **Customizable digital advertising solution (57)**

According to Vosonic in Taiwan, their Digital Advertising Solution (PCBA) is available for OEM/ODM projects and both the hardware and software can be customized according to different needs. Applications are seen by the exhibitors in advertising in restaurants, taxis, buses or shopping malls, in sales and product demonstration presentations, and in the field of personal entertainment for playing and storing favorite VCDs, DVD movies, and MP3 music. The playback options are listed as DVD video, Div-X 3.11/4.x/5.x, X-Vid, Mpeg-1, Mpeg-2, Jpeg, MP3 and Wav. Various media files can be read from a CF card as extension. The TV standard is NTSC or PAL and the TV format is 4:3 or 16:9. The manufacturers also point to the outputs comprising one USB 2.0 Host port, a composite video and stereo audio jack, an S-video jack, a VGA connector, and a power jack. External power is supplied by an AC adapter with inputs from 100 to 240 V and the output is specified as DC 12 V, 2 A or above. (Photos available)

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Hall: 021, Stand A35

**Customizable laser gaming mouse with Ghost engine (208)**

Gigabyte reports it has introduced a new powerful weapon for gamers with its GM-M 8000 laser gaming mouse with Ghost engine. The exhibit is described as a powerful mouse specially designed for professional gaming users with high precision, no tracking lag, and a very high resolution up to 4,000 dpi, in addition to the unique scaling-designed switching button that allows users to freely adjust their favorite dpi in four levels. Other highlighted features consist in the five programmable buttons and the Ghost engine software, with which gamers can present five different macros with three unique profiles for up to 15 different on-board macro settings. The manufacturers also highlight the ergonomic design. As is maintained, not only the gaming buttons are located in a perfect position, but the streamline design with its sweat-proof shape also serves to prevent tiredness during long playing periods. In addition, the macro editing capability allows users to customize their gaming mouse to meet specific needs. (Photos available)

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Hall: , Stand

**DDR3 memory modules for high over-clocking (753)**

A-Data Technology in Taiwan has announced the launch of the XPG DDR 3-2133X version 2.0 from its X series. The high-performance modules run at 2,133 MHz with CL 10-10-10-30 timings and are available in 3 GB and 6 GB triple-channel as well as 2 and 4 GB dual-channel module kits. The modules are engineered with heavy aluminum heat-spreaders and an additional dual-fan unit. The company says it has combined two methods of heat dissipation to maximize the OC performance and maintains that the series provides exceptional over-clocking performance through IC sorting technology and is specially optimized for 64-bit operating systems. The manufacturers point to the high-quality, eight-layer Printed Circuit Boards and the Dual Blue LED fan with 3,500 rpm and a noise level of 21.8 dB. The devices are backward compatible with DDR 3-1600, 1333 and 1066. Also stressed is the testing at latency setting 10-10-10-30 at 2.05 to 2.15 V and the SPD (Serial Presence Detect) programmed at Jedec standard DDR3-1333 with latency settings at 9-9-9-24 for basic system booting. (Photos available)

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Hall: , Stand

### **Device for the direct atomization of essential oil (356)**

The SR101 and SR Oil Garden series is described as advanced technology from MMIT Japan for instant direct atomization of essential oils, which are the natural essence extracted from plants such as herbs and flowers. The so-called Scents Riser is said to bring out a hundred percent of the original scent of the essential oil. As the exhibitors explain, it is extremely difficult to atomize essential oils directly due to their high fluid viscosity. In contrast, the instant atomization technology from Japan is claimed to be capable of evaporating natural scents completely. The S3 commercial model creates more scents with the combination of three or more devices and can make use of a computer program to spray deodorizer before atomizing different scents. Uses for the series are seen in indoor aromatics, sterilization, and preventing the spread of bacteria. The power consumption is given as 2.5 W and the size as 44x123x60 mm. A range of seven essential oils is listed by the exhibitors for the system. (Photos available)

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Hall: 016, Stand A02

### **Device transforms laptops into powerful tablet PCs (795)**

The Siso Tablo TL-01 from Hantech is an innovative pen input device that performs a full tablet function with simple installation. It is claimed to transform a normal laptop into a powerful tablet PC. The device reportedly has full compatibility with Microsoft Windows XP and Vista and offers handwriting recognition and drawing, sketching and illustration by means of simple touches. The pen mouse further maximizes its convenience while using different software. This is listed as Microsoft Windows, Live Messenger, Microsoft Office, Outlook, Journal Note and Sticky Note, and Adobe Photoshop or Illustrator. The technology deployed is ultrasonic and infrared. The exhibitors also spotlight the direct input on screen or on the air like Nintendo Wii with emotional handwriting in 2D and 3D, the large coverage of laptop screen sizes up to 15.4 inches, the perfect brush effect thanks to speed pressure technology, and the sleek and modern design. (Photos available)

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Hall: 020, Stand D04

### **Digital photo frame with a digital TV function (731)**

Yifang Digital Technologies in China plan to exhibit their EV 715 multifunction digital photo frame with digital TV function. The device features a seven-inch TFT screen and accepts SD, MMC and MS cards. It also has multi-language support, has a remote control function, and is USB host-compliant. The manufacturers also point to the calendar, clock and alarm. The video formats supported are listed as Mpeg-1, 2 and 4, Div-X, and M-Jpeg, with audio support for MP3 and WMA and image format support for Jpeg. (Photos available)

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Hall: , Stand

### **Digital photo frame with storyboard function (157)**

A-Max Technology will be recommending their digital photo frames as a way of enjoying pictures, printing them out, and placing them in albums just like traditional photos. The frame plays Jpeg, BMP and Motion Jpeg image files, MP3, WMA and Wav music files, and Mpeg-4, H.264 and XVID video files, and accommodates five memory cards including SD, MMC, MS, XD, CF cards. The remote control is said to make using the frame easier. The innovative Vivid-Share feature that is incorporated has been specially designed to enable the users to create their own music story with their favorite music, text and photos. According to the developers, the device is more than a photo viewer as it also functions as a calendar and alarm clock, and its dual-display mode allows a display of the calendar or clock along with one or two pictures at the same time. Apart from being compact, portable and simple to use, the product is also seen as an eye-catching decoration for the home and office. (Photos available)

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**Discount distribution of mobile phones (150)**

The German company Telepart Discount Distribution will be presenting its selling activities at the fair. The company is focused on mobile phone trading and emphasizes that it leads the categories of best prices, best availability and best online ordering system in the 2008 distribution channel rating. The enterprise reports that it sells around 60,000 mobile phones per month to dealers and wholesalers in almost 30 countries throughout the world. The warehouse stocks more than 25,000 phones in 220 different models and in 330 different varieties. This inventory is claimed to guarantee an availability of over 98 percent.

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Hall: , Stand

**Disk autoloader series with robotic arm (460)**

Vinpower Digital says it offers a variety of standalone robotic autoloader duplicators such as the compact Cube series and the more industrial Titan series. All of the autoloaders are available in standard CD/DVD, Blu-ray and Light Scribe versions. The former series is available with one or two drives and 25-disk capacity, which is seen as perfect for small to medium jobs in an office or residence thanks to its compact size and quiet operation. The latter series is available in configurations with capacities of three, four, six or eight drives with 100, 200, 500 or 1,000 disks, which are deemed ideal for medium- to high-volume duplication runs. The machines are said to offer all the benefits of the company's leading duplication towers with the added convenience of a robotic arm to run continuously. They have apparently been designed to run unattended day and night until the duplication job is completed. All versions integrate the Multi-Master Recognition technology, which enables them to copy multiple masters in succession in one continuous run. (Photos available)

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Hall: , Stand

**Donut-shaped dashboard holder for mobile devices (970)**

The Adapt Dashboard Donut is a new product from the in-car accessory manufacturer Adapt-Mobile. Designed for convenience and practicality, it uses existing windshield mounts for mobiles and GPS devices and allows them to be used on the dashboard in the car. As is pointed out, this not only makes it easier to see the screen of the device in question, to move it around freely, and hide it out of reach of thieves, it also avoids dirty marks on the windscreen from suction cups, which in turn is said to make insurance cheaper. The patented technology implements metal beading to give complete friction on the dashboard so that the device will not move an inch and be safe and secure. Existing car holders can apparently be installed on the donut-shaped facility easily. According to the company homepage, the out-of-the-box solution has been conceived to meet new European laws, which will ban all suction cups used directly on windscreens. (Photos available)

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Hall: 014, Stand J04

**Donut-shaped six-way AC outlet extension (31)**

Ahoku says it has produced its Donut six-way power sockets for those bored with no-style bar power strips and annoying scattered power cords on outlet extensions. According to the Taiwanese company, the surge sockets avoid electronic spikes. The multi-outlet surge protector has a stylish design and the central hollow belly enables users to squeeze power cords inside the belly room and make cords go out from the bottom to create a neat environment around the power strip. If it is necessary to make cords go out from the top, the device also features cords binding management to collect the cords together to avoid a mess. (Photos available)

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Hall: , Stand

### **Dual DVB-T tuner with built-in antenna (70)**

The new Aver-TV Twinstar (A825) digital TV tuner is equipped with a Diversity mode to boost DVB-T signal reception with its built-in antenna and an external antenna. When the external antenna is plugged in and only one tuner is in use, the device will set this mode automatically for a better reception. In addition, the dual TV tuner design allows watching and recording two live TV programs simultaneously. As is pointed out, the built-in antenna also improves the portability of the TV tuner stick since the external antenna can be left at home. The bundled Aver Media Center equips the advanced decoder to present the 720p/1080i HDTV programs. With its user-friendly interface and accompanying remote control, watching TV on a PC is said to be just as easy as on the TV set. One of the best features is seen in the support for dual tuners, which allows users to watch more than one live program simultaneously on a desktop or laptop PC, depending on CPU loading. The manufacturers also highlight the I-Pod/PSP format recording, the HDTV H.264 and Mpeg-2 support, and the ultra-low-power consumption. (Photos available)

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Hall: , Stand

### **Dual-rail 15-inch console with modular KVM switch (583)**

The new Gemini series of patented dual-rail consoles from Broadrack reportedly provides an industrial-level input solution to optimize space utilization by controlling systems in a 1U format. With its unique modular design, more than 17 models of KVM switches with different functions can apparently be integrated easily and the connections can be expanded up to eight levels of the KVM (keyboard, video and mouse) switches. The system also supports 17 different languages of the modular keyboard for simple maintenance. Further details on the homepage draw attention to the special dual-rail design for independent panel and keyboard drawers, the hidden handle for the keyboard drawer, the bright Active TFT display, and the tempered glass protection for the panel.

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Hall: , Stand

**DVB-T USB stick for Mac in elegant shell (72)**

A new product on show from Avermedia will be the Aver-TV Volar M (A815 Mac) USB stick for Mac computers. Enclosed in a stylish mini-shell, the stick also comes with the Aver-TV for Mac application, easy-to-use TV software that reportedly turns a Mac OS Tiger and Leopard into a TV set and a PVR (Personal Video Recorder). Watching TV on a Mac is claimed to be as simple as I-Pod usage. The Apple Remote is used to switch channels, playback and pause videos, and adjust the volume. Watching TV in front of the computer, users can call up key functions like switching channels, recording, screen capturing and time shifting from the virtual remote control on the screen. The intuitive user interface of the accompanying application provides many useful features. The PIP (Picture-in-Picture) function enables live TV and video at the same time, the screenshot function preserves all precious scenes, and the EPG and scheduled recording functions make sure that no shows are missed. The unit weighs 17.5 grams and boasts high-speed mobility reception and an ultra-low-power consumption of less than 1.5 W. There is support for Mac OS 10.4 and 10.5. (Photos available)

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**Easily integrated Can communication cards (272)**

The new Can communication cards from IEI Technology in Taiwan reportedly support the Control Area Network 2.0 specification and the Can-Open protocol, thus allowing easy integration into networks using the Can standard. As the exhibitors maintain, all of their Can communication cards include on-board optical isolation and an advanced programmable transfer rate of up to 1 Mbps. Circumscribing the range of possible applications, the company points out that the Can standard is widely used in aviation machine control, medical devices, off-road and rail vehicles, maritime electronics, building automation, and power generation.

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### **Easy-to-handle mobile IT transport system (171)**

Parat describes itself as a top European producer of tool cases and tool bags as well as convertible roof systems for carmakers. The company will be highlighting its Paraproject Media Cart, which, in its basic equipment level, comprises storage surfaces for a projector, a master laptop on an adjustable tray, an integrated sound system, and an accessory container. Further options are listed as a docking station for eight laptops or sixteen netbooks for central charging, an Access Point, and a switch. (Photos available)

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### **Easy-to-install consoles in single-rail design (584)**

One of the recent developments on display from Broadrack will be their Unicorn series of single-rail consoles. The products are said to provide an industrial-level input solution to optimize space utilization by controlling systems in a 1U format. With its unique modular design, more than 17 models of KVM switches with different functions can apparently be easily integrated and the connections can be expanded to up to eight levels of the KVM (keyboard, video and mouse) switches. The system also supports 17 different languages of the modular keyboard for simple maintenance. The homepage also mentions the support for Sun native resolution in the Unicorn 17/19/20 models, the bright Active TFT display, the OSD function for the LCD display and KVM switch, and the panel protection through tempered glass.

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**Eco-friendly and power-saving memory products (998)**

The Green series on display from Golden Emperor International is billed as a range of memory products that is both friendly to the environment and saves power. As the Taiwanese company insists, the integrated circuits and modules are tested to have a lower working voltage than is specified by the Jedec (Joint Electron Devices Engineering Council) standard for the solid-state industry. Moreover, the devices are packaged in 100 different recyclable materials. Despite these modern merits, the products are still said to maintain the same solid standard of reliability and performance.

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**Eight-bay NAS solution with I-SCSI for business (429)**

The TS-809 Pro is a new eight-bay, high-performance NAS (Network-Attached Storage) solution from Qnap with I-SCSI for business. Powered by an Intel Core 2 Duo 2.4 GHz CPU and 2GB of DDR II memory, the system is said to deliver ultra-high performance for massive data sharing. It is also said to provide powerful all-in-one business server features, advanced RAID configurations such as RAID 0, 1, 5, 6, 5+Spare and JBOD (Just a Bunch Of Disks), online RAID capacity expansion, online RAID level migration, a built-in I-SCSI target service, and AES 256-bit volume-based encryption. The network storage server also supports versatile functions available in the company's all-in-one Turbo NAS series. (Photos available)

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### **Elegant digital photo frame with added functions (364)**

The PF 810 digital photo frame, which will be exhibited by Transcend Information Trading, is made with precision-cut inlaid crystals and an intuitive LED-lighted touch-sensitive menu interface built into its gleaming gloss-black frame. The device is therefore seen as an elegant addition to any room or office. It features a crystal-clear, photo-friendly 800x600 dpi (4:3) screen with multiple color modes and an automatic rotation sensor to make sure the photos displayed look their best. In addition, it is also equipped with 2 GB of internal storage space and supports SD, SDHC, MMC, MS, and CF memory cards as well as USB flash drives. With digital music and full-motion video playback as well as alarm clock, radio and calendar functions, the product is said to be more than just a picture frame. (Photos available)

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### **Elegant LCD displays with White LED backlighting (736)**

AOC International (Europe) claims to prove with its new Verfino range that elegant design and environmental protection are not mutually exclusive. Powerful and energy-saving features are said to be combined in the elegant 19- and 22-inch monitors from the wholly-owned subsidiary of TPV, which is reportedly the largest manufacturer of displays in the world. The slim frame, which is only 18.5 mm wide, incorporates a navigation ring that makes it easy to adjust the screen, while a 1.3-megapixel webcam and a digital microphone ensure clear video conferences. According to the exhibitors, the new WLED (White LED) technology enables a high dynamic contrast ratio (DCR) of 100,000:1 and an enhanced level of performance. Two high-quality loudspeakers and a HDMI connection complete the range of features and are seen as making the displays ideal for both demanding domestic and business uses. The frame has a brilliant black, piano-varnish look, while the contrasting acrylic strip along the bottom part of the monitor highlights the elegant design. All the displays in the series are manufactured in accordance with RoHS guidelines and the packaging is hundred-percent recyclable. (Photos available)

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**Elegant USB flash drive and card reader (366)**

The P6 from Transcend is billed as more than just a simple card reader since it also functions as a USB flash drive and a card reader compatible with the Pro-HG Duo memory stick. Its convenient, built-in USB connector is said to allow quick data transfer from or to a PC, to the Memory Stick and Memory Stick Pro, Duo, Pro Duo, Pro-HG Duo and Micro (M2) devices, and to Micro-SD or Micro-SDHC flash cards. The product reportedly works with Windows Vista, provides high-speed data transfer rates up to 480 Mbps, and offers a true plug-and-play convenience. In addition, it also features a bright LED that indicates card insertion and data transfer activity. With a gleaming case accented by a bright color band and with smooth rounded edges, the reader is praised by its manufacturers as being attractive, compact and portable. (Photos available)

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**Embedded open-frame-panel PC with flexible options (393)**

According to Rhinotech in Taiwan, their OFP-104 embedded open-frame-panel PC offers flexible options for 10.4- to 21-inch LCDs, touchscreen, and chassis. The back cover has mounting holes for industry-standard Vesa mounting. As the exhibitors put it, the chassis design has been built to remain mechanically consistent so as to be able to accommodate any LCD panel revision changes. As a result, the manufacturers emphasize, the PC can fit easily into practically any situation.

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**Embedded SBCs using the new Intel EP 80579 (92)**

IEI announces that it is helping customers develop embedded Single-Board Computers (SBCs) with the new Intel EP 80579 Integrated Processor product line. The aim is to assist developers and integrators to innovate the next generation of System-on-Chip (SoC) platforms. As is explained, the Intel EP 80579 Integrated Processor SoC architecture is based on the Pentium M processor to ensure high-frequency clock cycles. It also supports the latest PCI Express (PCIe) communications bus for fast data transmission between system components. The company says it has already developed an Epic form-factor SBC that leverages many of the features on the processor product line. Features include support for PCIe x4 and PCIe x1 lanes, support for one 2.0 GB DDR 2 200-pin SO-Dimm and the implementation of two of the GbE Mac ports, leaving one in reserve. The SBC also supports one SATA drive, one Compact Flash card and one Mini-PCIe expansion device. Although the platform is a flexible and robust system, integrators can add and remove features from the board to match specific application needs and sizes.

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**Embedded system with seven-inch touchscreen (379)**

One of the new products presented by Waysion Technology will be the N-7100, an embedded system with a seven-inch wide-format TFT-LCD touchscreen. The exhibitors specify an LCD resolution of 800xRGBx480 dpi, a contrast of 500:1, and an LCD brightness of 300 cd/sq m. The operating system is Microsoft Windows CE.Net 5.0 and the processor is a Samsung S3C2440 with 400 MHz. Further specifications include 64 MB of Nand Flash ROM, 128 MB SDRAM, optional WLAN 802.11bg via USB, and SD card memory expansion up to 4 GB. There is Mini USB for Active Sync and a USB host for input. Additional options include an AV input and a GPS function via G-mouse. A 2 W loudspeaker is integrated. The work humidity is said to range from 10 to 80 percent and the dimensions are specified as 188x114x35 mm with a weight of 453 grams. Silver or black are the colors available and there are various optional accessories. (Photos available)

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**Emergency charger for laptops and other portables (973)**

The Adapt ADP-13K is seen as an optimal portable power solution. The device can fully charge a mobile phone, Apple I-Pod and laptop/UMPC many times over through its 13,200 mAh battery. The tool is also useful for people on the go who often need to charge their phone, MP3 player or camera, and want one device to charge everything. As the exhibitors maintain, the slim design is not only practical and light in weight, but also very stylish. The appliance itself is simply charged using the USB cable provided in the box. This apparently provides enough power to completely charge a standard mobile phone, Apple I-Pod player, or laptop. The kit also includes six tips for several mobile phones and eight tips for different laptops. The former can be used for Nokia N95, Sony Ericsson, Samsung, Apple I-Pod, and Mini-USB and Micro-USB devices. The laptops supported are listed as HP, Acer, Asus, Dell, Fujitsu-Siemens, Sony, and Toshiba. (Photos available)

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Hall: 014, Stand J04

**Emergency mobile phone charger and power supply (815)**

Camelion will be highlighting their new PS 608 emergency charger, travel charger and reserve power supply for mobile phones. The device also integrates a dual-LED flashlight. As the exhibitors point out, users can go on talking by mobile phone with the device for up to 2.5 hours even when their phone battery is empty. As a result, calls need never be cut short again. The appliance is powered by four AAA batteries, which are included, and is simply connected to the phone via the adapter to enable talking while charging. There are five different mobile phone adapters for different phone models from Motorola, Nokia, Sony/Ericsson, and Samsung. The portable solution can be taken along anywhere in case of emergencies, for instance when traveling, working or camping. The manufacturers also spotlight the lightweight and durable casing. (Photos available)

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**Energy-saving lighting devices using CCFL lamps (316)**

Team Shine Electronics in Taiwan will be introducing their new CCFL (Cold Cathode Fluorescent Lamp) energy-saving lighting devices. These consist of three exhibits at the fair, which the company describes as a lighting device, a lighting bulb, and a cabinet lighting system. Compared with traditional lighting, users are said to obtain clear benefits in the context of today's high electricity costs. Moreover, compared with LED lighting, a saving of 50 percent in terms of the investment in initial costs is said to be possible. The manufacturers specifically highlight the low power consumption that reportedly saves more than 40 percent of the energy, the increased illumination of more than 20 percent, and the low heat emissions that save air conditioning expenses. The exhibitors quantify the long life of their CCFL lamps as more than 50,000 hours, with 30,000 hours of operation claimed possible without failure. (Photos available)

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**Energy-saving Point-of-Sale system with Atom CPU (768)**

One of the new systems on show from the embedded computing specialists at Clientron is said to be the first Point-of-Sale system based on the Intel Atom processor with energy-saving and efficiency benefits for modern retail markets. The POS PT 7000 features the Atom N270 processor and Intel's 945 GSE/ICH7-M chipset and is billed as a new-generation POS platform with lower power consumption and high multimedia performance. The series supports 15-inch LCD touchscreens, up to 2 GB of memory, one 2.5-inch HDD, one 44-pin IDE interface, four USB ports, two PS/2 connectors, five Power COM ports, one RJ11 port, a line-out audio port, and one G-LAN connection. An optional Magnetic Stripe Reader, a VFD (Vacuum Fluorescent Display), a second display and an I-button for various selections are also highlighted. Thanks to the reported efficiency, stylish design and economy, the solutions are regarded as eminently appropriate for use in today's chain stores, food services, shopping malls, supermarkets, department stores, convenient stores, and in the entertainment business. (Photos available)

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**Entry-level, economic Point-of-Sale platform (767)**

Clientron, which describes itself as a thin client provider and innovator in the field of embedded computing, has announced its first entry-level, economic Point-of-Sale (POS) platform for the modern retail market. The new POS PT 1000 has been designed with the ARM9 platform and is seen as a highly economic and compact all-in-one POS solution. With a built-in VFD (Vacuum Fluorescent Display), a choice of touchscreens, MSR (Magnetic Stripe Reader) and options for various peripherals, it is seen as the ideal solution for small shops, grocery stores, food service firms, and the entertainment business. The appliance supports 12.1- or 10.4-inch LCD displays with touchscreens as an option, one SD or smart card port, two USB ports, one PS/2 connector, two COM ports, one RJ11 port, one line-out audio port, and one 10/100 Base-T LAN port. Linux and Windows CE operating systems are reportedly supported. The company says it will also be demonstrating its PT 3000 and 7000 series of POS platforms based on the Intel Atom processor in addition to its thin client series and its digital signage solutions. (Photos available)

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**Entry-level, ultra-compact thin client range (769)**

A new product to be introduced by Clientron will be their space-saving, ultra-compact and stylish U series of thin clients based on the Intel Atom and Via Eden ULV platform with a fanless and ultra-low power design for the green computing market. The U 800 series integrates an Intel Atom N 270 processor and the Intel 945 GSE/ICH7-M chipset to deliver sharp multimedia performance. It supports DDR 2 memory up to 1 GB, one G-LAN, four USB 2.0 ports, one PS/2 connection, one DVI output, audio ports, and Vesa mounting. The series, powered by the Via Eden Nano BGA2 400 MHz processor and CN 700 chipset, is described as an entry-level thin client that can serve education, financial, government, healthcare, high-tech manufacturing and other industrial applications. The operating systems supported are specified as Linux, Windows CE, and Windows XP Embedded. (Photos available)

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### **Ergonomic tablet PC with rugged IP54 design (334)**

The Ruggedbook 800 tablet PC has been designed by Samwell to meet the mobile computing needs and form-factor requirements of on-the-go professionals. It reportedly features an IP54 rugged design with resistance against shock, vibration, spill, dust and dirt, heat and damp, as well as a magnesium enclosure specially conceived for harsh environments and physical stress. Billed as mid-sized, lightweight and ergonomic, and with integrated wireless technologies such as Edge/GPRS, 802.11 a/b/g connectivity, Class 1 Bluetooth and GPS links, the PC is said to be compatible with any wireless network. It is seen as a good solution for increasing mobility and productivity. In comparison to fragile commercial laptops, the rugged nature makes it easy to perform tasks outside the office. For high-performance mobile applications, the product is deemed ideal for industries such as field services, logistics, healthcare, hospitality and catering, telecommunications, energy, public safety, law enforcement, and the military.

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### **Ethernet remote I/Os with fail-safe functions (701)**

The new F-and-eIT N series on show from Contec are described as Ethernet remote I/O with fail-safe functions for use in Ethernet automation. They are isolated digital input and output units for a remote I/O system that can monitor and control distant equipment via Ethernet. As the manufacturers stress, the devices use the existing network infrastructure and can be integrated easily by just connecting them with a LAN cable. It is possible to connect external devices such as adjacent switches, lamps or LEDs to perform the input/output digital signaling. The series has a compact design measuring 188.0x78.0x30.5 mm and are said to be capable of installation anywhere on floors, walls or ceilings using a 35 mm DIN rail, screw fastening, a magnet, or rubber feet. (Photos available)

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### **Ethernet switches for unified, resilient networks (114)**

With their QSW-3200 series of Ethernet switches, Q-Tech claims to have developed a new Gigabit Ethernet switching product that entirely fulfills the enterprise customer requirements of designing and implementing unified, highly resilient networks. The switches represent the next generation of desktop switches with high-density 24 GE ports, four GE uplink Combo electric ports and optical ports, a variety of service features such as V-Lan classification, port mirroring, rate-limiting, and IP, Mac and port binding. The manufacturers also point to the full wire-speed L2 switching capacity and the powerful QACL functions from L2 to L7 through advanced Asic chips and a powerful CPU. The devices can be used in convergence and access devices for intranets and metropolitan area networks (MANs), and can also be deployed for connecting data center server clusters with high availability as well as scalability. The series includes the models QSW-3200-24T and QSW-3200-28T. (Photos available)

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Hall: 012, Stand B83

### **Ethernet-based image distribution system (698)**

According to Contec, digital signage and billboards have become a common sight on streets and in public spaces. To view a computer screen image remotely or with multiple monitors, VGA distribution or signal extension devices are commonly used. Since these extension signals are analog, there are apparently problems like image quality deterioration caused by inferior signals and restrictions on cable length and the number of monitors that can be viewed simultaneously. With the company's new Flex Net Viewer, users are said to be easily able to distribute VGA images (one-to-one or one-to-multi) with no quality deterioration even over long distances. As is explained, the solution converts VGA output to LAN packets and sends the digital signals via Ethernet, profiting from all its features. Both transmitter and receiver include serial I/O ports for the remote use of multiple RS-232C-compliant touch panel monitors. Users can also send VGA signals to multiple receivers (one-to-N) and receive them from multiple transmitters (N-to-one) by installing the application utilities on their computer. (Photos available)

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**External hard disk ideal for mini-notebooks (755)**

The Classic CH 91 external hard disk drive from A-Data is billed as the ultimate storage device to match trendy mini-notebooks. The new 2.5-inch external hard disk drive is coated with a metallic paint finish and boasts a spacious capacity up to 500 GB. Now available in sapphire blue and purple white, the drive is described as lightweight and portable with a bright cold-blue LED light serving as a status and progress indicator. The interfaces include ports for USB 2.0 and 2.5-inch Sata. Its dimensions are specified as 134x82x15.7 mm. The HDD-to-Go software can be downloaded from the Taiwanese company's website for customers owning a HDD from the exhibitors upon completion of member registration. The product comes with a USB Y cable and a suede pouch. (Photos available)

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**External storage peripherals in high-class design (369)**

Akasa will be presenting the Élite series of aluminum enclosures and card readers. As the English exhibitors claim, the quality and style of the products elevates them from being mere computer accessories into products that enhance the computing experience. The cutting-edge technology and top design features reportedly combine to provide high-quality data management aides that are also fun to use. Three products are currently available, a luxury leather-finish enclosure for 2.5-inch Sata and SSD hard drives, a luxury leather-finish enclosure for 3.5-inch Sata hard drives, and a multi-port card reader with the same luxury leather finish. Both the 2.5- and 3.5-inch enclosures include an E-Sata and USB 2.0 external interface offering speeds up to 480 Mbps and 3.0 Gbps respectively. (Photos available)

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### **Fashionable, sound-insulating earphones (965)**

One of the products on show from Ednet will be their Gem Drops series 4 earphones. The jewel-type, stereo in-ear headphones are described as stylish accessories with a high sound-insulating capability that effectively cuts out side noise. Earphone caps made of ear-molded silicon rubber are included in the three sizes XS, S and M. The manufacturers also highlight the driver unit with a diameter of 8 mm, the frequency response from 20 Hz to 20 kHz, and the impedance of 18 ohms. The sensitivity is specified as 96 dB/1 mW. (Photos available)

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Hall: 025, Stand D80

### **Fast, easy-to-use and secure home server (1001)**

The French company Ve-hotech, which is owned by Ath Finance SAS, will be introducing their new VHS-4 home server. The server is based on Linux, a Sempron processor and 1 TB of memory, and is seen as the first serious alternative to solutions based on Microsoft Windows Home Server. As the manufacturers explain, digital data can be stored in the solution and accessed from any computer or compatible peripheral, such as an UPnP TV set, game consoles, Wi-Fi sound systems or a squeeze box, through the local network or via the Internet. All digital data are securely centralized using Raid technology and are constantly available for authorized users. The system also allows users to create and host all kinds of Internet sites, blogs or forums in only a few clicks using preconfigured and preinstalled platforms. The web interface is modular and can be customized. Moreover, as part of the interface, a user-friendly file explorer enables operators to set up a slideshow of their pictures, watch a movie, or listen to their favorite pieces of music at home or wherever they want. The homepage also draws attention to the very fast transfer rate of 90 Mbps. (Photos available)

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Hall: 020, Stand B18



**Flash drive with romantic kissing design (757)**

A-Data has launched its T806 Kissing Octopus Couple flash drive, which is reportedly based in terms of its design on the concept of kissing. As the manufacturers describe it, with the charming heart-shaped eyes and lovely pouting mouth, the design of the drive represents a spirit of romance. The device comes in two colors, light pink and sky blue, which are seen as a good gift, for example, on Valentine's Day. As is explained, each color of the octopus is equipped with a different magnetic pole. When put together, the octopi will stick to each other and form a kiss. The drives can apparently also be used as a magnetic sticker. To eliminate the cap-losing problem, the USB drive can be loaded reversely into the octopus. The products are seen not only as a practical USB flash drive with magnetic function, but also as a cute toy that makes people smile. The rubber material is reportedly waterproof and shock-absorbing. (Photos available)

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Hall: , Stand

**Flash media player with 1.8-inch CSTN display (734)**

The EM 185 is described as an MP4 video player on the Yifang Digital Technologies homepage. The Flash portable media player features a 1.8-inch CSTN display with a resolution of 128x160 pixels. The super-slim design apparently comes from Korea. With a reported capacity of up to 8 GB, the device also supports the Avi video format, the MP3 and WMA audio formats, and micro-SD cards up to 2 GB. The play time is specified as four hours for video and ten hours for audio. Further functions include ID3 tag and lyrics display, folder management, e-book capability, games, and FM radio. (Photos available)

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Hall: , Stand

### **Half-size 45-nm Intel Core Duo processor platform (91)**

A new product on show from IEI will be their Picoe-GM45A half-size CPU card. The 45-nm Intel Core 2 Duo processor platform combines both PCI Express (PCIe) and PCI edge connectors on a half-size form factor. The processor is interfaced to the powerful Intel GM45 graphics and memory controller hub (GMCH) through a front-side bus (FSB) with a maximum speed of 1,066 MHz. Two 800 MHz 2.0 GB dual-channel DDR2 SDRAM DIMM units are supported by the card, which also supports VGA displays, 18-bit or 24-bit dual-channel LVDS displays, and HDTV-out in single or dual-display format. Further features include an Intel ICH9M input/output controller hub (ICH) and support for four 3.0 Gbps SATA drives and Sata Raid as a customized option. Two PCIe gigabit Ethernet controllers are also interfaced through two of the PCIe lanes. Dual LAN connections ensure that redundant network connections can be set up. The product is seen as ideal for high I/O-throughput industrial computing, machine vision, and high-end multimedia applications. The backplanes and chassis can be customized according to the specific needs of the embedded application. (Photos available)

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Hall: 019, Stand G44

### **Handheld with worldwide DVB-T TV support (670)**

The new TP 7000 on show from Tsky in Taiwan is not only a PMP (Portable Multimedia Player) but also allows users to watch and record live TV (DVB-T) on their hand. The portable TV device can also play back DVD, MP3, Jpeg, Mpeg-1/2/4 and other files from an SD card. A built-in antenna and capability to use an external antenna is said to provide worry-free reception of DVB-T programs. As is pointed out, digital TV delivers a static-free, sharp picture with an enhanced high resolution. The stylish, tiny-sized portable design has been specially designed for mobile use. Worldwide DVB-T support is reportedly integrated. With what the manufacturers call the advanced compensation of the Doppler Effect, users can watch DVB-T programs on the move. (Photos available)

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Hall: 019, Stand G65

**Handy everyday companion in the media world (504)**

The Packard Bell Dot is a netbook with an 8.9-inch display that has been especially designed for private consumers. It is said to combine high usability with up-to-date technology in a very stylish chassis. The device closes the gap between a smartbook and a typical notebook. The manufacturers maintain that what used to be a tool for business people can now be part of the everyday life of the family, providing all the facilities of a notebook yet allowing low-energy use. It is seen as ideal for the coffee table, the school trip, or vacations. Thanks to its bright colors and high contrast, the display is sufficient to view websites, read e-mails or write texts and tabulations in a 1,024x600 dpi resolution. The appliance is equipped with the new Intel Atom CPU and is powered by a six-cell-battery for long outdoor life. Adequate storage space for media files like movies, photos and music is offered by the 160 GB hard disk and connectivity is provided by Wi-Fi, three USB ports, and the five-in-one card reader. (Photos available)

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Hall: , Stand

**HD video/audio data acquisition card (69)**

One of the new products on show from SBS Science and Technology will be a HD video/audio data acquisition card. The application-specific card based on HD image and sound signal collecting realizes real-time video and audio data processing and simultaneously video and audio playing via networking data transmission. It has a high video resolution up to 1,600x1,200 dpi. As is explained, the input video signal can be in VGA, CVBS, YUV, RGB formats and output can be a non-compression digital video signal in YUV, RGB, DVI format or an Mpeg and H.264 stream. The card can also implement PIP data processing. Compliant with various audio compression standards, the product supports a checking system for simultaneous data of video and audio as well as various operating systems including Windows, VxWorks and Linux. The dimension of the card is given as 90x96x15 mm and the power supply is +5 V +/- five percent. The device can run at an extended temperature range from -40° to +85° and the storage temperature is given as -65° to +105°.

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Hall: , Stand

### **Headphone with superior noise-canceling (349)**

The new NC-986 Noise Reduction Headphone will be presented by Shenzhen Laccess Technology. The company says it implements its own technology to bring the noise-canceling data up to 20 dB. This 20-decibel active noise canceling is claimed to eliminate virtually all outside noise. The Chinese manufacturers also point to the rich sound attained from the 40 mm driver. The device is supplied by one 1.5 V AAA battery, which provides over 40 hours of power. According to further specifications on the homepage, the frequency response is given as 20 to 20K Hz. (Photos available)

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Hall: 019, Stand F64

### **Heavy-duty server rack for maximum configuration (128)**

The new TS 8 heavy-duty server rack from Rittal is specified as having a load capacity of up to 1,300 kg and can be extended by the addition of additional, heavier IT systems such as blade centers. As a result, the manufacturers insist, procurement costs and the operating costs per rack in the data center can be reduced. The heavy-duty rack is also equipped with stable transport castors, which allow good mobility even when the rack has been configured. The product consists of a welded, strengthened framework based on the company's tried-and-tested TS 8 system. Both the designer front door and the vertically divided rear door are perforated over a large area to permit an ideal airflow. According to the manufacturers, cables can be easily inserted thanks to the rear door, which is shortened on one side. The comfort handles on the doors are fitted with a security locking system, and the leveling feet can be adjusted from inside. Moreover, pull-out stabilizers ensure stability and horizontally divided side panels are said to assure greater comfort during assembly and maintenance. (Photos available)

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Hall: , Stand

**High-capacity, 2.5-inch portable hard drives (365)**

The German subsidiary of the Taiwanese company Transcend will be displaying the Store Jet 25 series of portable hard drives. Combining a large storage capacity, attractive looks and compact mobile convenience, the high-capacity, 2.5-inch portable hard drives are deemed an excellent way to effectively ensure ample storage space for backing up, transferring and storing important data. The compact drives are said to fit comfortably in the palm of a hand and can hold up to 500 GB of data. They also come with useful data backup software tools and support high-speed USB 2.0 for fast, reliable data transfer up to 480 Mbps. The exhibitors point to the various models, each with a unique design, such as the elegant, stainless-steel 25C, the racing-inspired, very lightweight 25P, and the rugged 25M with advanced, two-stage anti-shock technology that reportedly meets US military drop-test standards. (Photos available)

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Hall: 026, Stand B60

**High-definition media player with hard disk (282)**

The new HEU 378RT media player from Heisei Electronics is billed as a PC-independent, 2.5 and 3.5-inch HDD device that supports more playback options than most media players. A USB 2.0 port is claimed to allow high-definition viewing on TVs. The hardware supports multi-file formats such as HD video, high-resolution photos, and MP3 music files. Files can be watched and recorded by using the one-touch record and time-shifting functions. Support for both NTSC or PAL video-in and video-out is specified as one of the functions. A user-interface with remote control is also provided. The device also supports direct viewing via LAN networks with a 10/100 Mbps Ethernet port and allows users to simultaneously record and watch high-definition files. (Photos available)

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Hall: 019, Stand D52/1

### **High-Definition Multimedia Interface box (23)**

Hama will be presenting the HDMI Center 3-in-1 for switching, converting and scaling, which the German company describes as a little box that not only replaces a mess of cables with a single cable but also switches between different signals and converts them to HDMI. As a result, users can comfortably switch between their DVD player, game console, camcorder, VHS recorder or SAT receiver. The device has a total of six available connections, namely two HDMI, two VGA and two analog inputs. According to the exhibitors, the advantage of a VGA input is that the center enables a PC or laptop to be connected even to an inexpensive TV without its own VGA input. The integrated scaler makes it possible for incoming signals to have a lower resolution than the outgoing signal. In practice, this apparently means, for example, that a 720-pixel signal from a connected SDHC camcorder is upscaled to 1,080 pixels as long as the TV supports that resolution. If not, the scaler is simply set to adjust to the maximum resolution the TV can display. Operation can be carried out either by means of the switches on the device itself or using the included remote control. (Photos available)

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Hall: , Stand

### **High-efficiency, future-ready power supply unit (339)**

Enermax announces the new Revolution 85 Plus as the flagship in its PSU series. Being 85+ efficient is said to have been the minimum goal for the engineers. Features include four 12p sockets for possible connector changes and six massive 12 V rails of 30 A each for load distribution and flexibility. Besides complying with the upcoming EPS12V PSU Design Guide, the Zero Load Design is said to assure additional compatibility for the future. The manufacturers also spotlight the Quad Forward circuitry, a prime reason for the high efficiency since other firms only provide single or double forward capability. Moreover, a sync transformer array is said to render overloading practically impossible. These capabilities have apparently been squeezed with a single 135 mm fan into a 190 mm length, which fits into most mid-size towers while still being constantly 50°C and ultra-silent. Further features include the familiar Power Guard status monitor, the Air Guard to reduce air turbulence, and the new Heat Guard cooling after shut-down. (Photos available)

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Hall: 020, Stand C52

### **High-performance DDR3 memory modules (368)**

Transcend plan to showcase high-performance DDR3 memory modules that combine all the advantages of modern DDR3 technology such as lower power consumption, enhanced heat dissipation characteristics and more memory bandwidth with fast, reliable performance even at high clock speeds. According to the exhibitors, each DIMM is manufactured out of premium DRAM chips that offer an ideal balance of speed and stability. All the company's modules reportedly undergo strenuous lab testing to ensure they provide the best-possible performance and are backed by a lifetime warranty. A wide range of different models is offered, including Registered, SO-, ECC and unbuffered DIMMs, each in different speeds and with 1 GB or 2 GB capacities. For special requirements, Axeram DDR3 over-clocking modules and brand-new triple-channel memory kits are also available. (Photos available)

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Hall: 026, Stand B60

### **High-tech care for all consumer imaging devices (410)**

Agfa Photo Holding and its licensee CCM will be introducing a range of new premium cleaning products for all consumer imaging devices. The range initially consists of cleaning sprays, wipes and kits certified by the German TÜV technical inspectorate along with display protection films, lens cleaners, and air dusters. The products will be presented to the general public in March, which will also mark the starting point for distribution to international retailers. The exhibitors emphasize that this product segment is characterized by interesting margins and that it can serve as a lasting sales anchor for retail partners. The products will be sold nationally and internationally through retail partners and authorized dealers. (Photos available)

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Hall: , Stand

### **Home media center with broad format support (58)**

The new HMC 770 Home Media Center from Vosonic is said to set new standards for hard disk video players. The product is described as a computer adapted for playing music, watching movies and viewing pictures stored on a local hard drive or on a (sometimes wireless) network. It can also be used for watching DVD movies and for watching and recording television broadcasts. The centers are operated with a remote control, connected to a television set for video output, and can also function as a normal personal computer. The appliances can be purpose-built, or put together individually by adding media center software to a PC or some other computer. They reportedly support almost all popular formats, for high-definition playback, and for analog and digital video recording ability. Features include a HD (1080i) digital jukebox, HDMI 1.1, and Mpeg-2/Mpeg-4/X-Vid HD (1080i) stream support. Users can decode and view recorded HD transport stream files and can playback DVD backup files on the HDD just like a DVD. A USB host port is integrated to connect flash drive/external hard disk drives. Both NTFS and FAT32 file systems are supported. (Photos available)

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Hall: 021, Stand A35

### **Home theatre headsets with 5.1-channel sound (347)**

Shenzhen Laccess Technology specializes in the development and manufacture of various kinds of headsets. One of the products on show incorporating their latest technology will be the company's Real 5.1-Channel home theatre headsets with the product designation LH-983. The devices feature real 5.1-channel surround sound, six speakers inside and a detachable microphone. The Chinese exhibitors also highlight what they call the very good bass vibration. (Photos available)

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**Industrial data collectors for system integration (89)**

IEI Technology points out that interconnectivity between industrial devices and data collection hardware is essential for efficient operations, reducing bottlenecks and allowing on-time delivery of critical data. The company is therefore introducing a new series of multi-port serial communication cards, Can communication cards, data acquisition cards, and RFID systems as industrial data collection devices designed for complete system integration. The devices have been designed for home and building automation, intelligent transportation systems, ATMs, vending machines, parking lots, factory automation, machine automation, medical facilities and other industrial automation applications. According to the manufacturers, the multi-port serial communication cards can be seamlessly installed into existing systems, with PCI, PCI-104 and PC/104 interfaces available, and are all said to offer 128-byte-deep Fifo per transmitter and receiver. The cards are reportedly protected against lightning strikes and general interference, with special protection against 15 kV electrostatic discharges and isolated 3,000 VDC.

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**Intel Q35 Mini-ITX board with water-cooling system (257)**

The new FTW-PCSYS 100-PE from Fabrimex is an Intel Q35 Mini-ITX board with water-cooling system. It features an LGA 775 socket for Intel Core 2 Quad or Intel Core 2 Duo processors as well as Intel Wolfdale 45 nm processors. Intel Enhanced Memory 64 technology (EMT64T) is also supported, as is Enhanced Intel Speed step Technology (EIST). The Taiwanese manufacturers also highlight the 133, 1,066 and 800 MHz Front-Side Bus capability and the Intel ICH9 I/O controller hub. (Photos available)

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Hall: , Stand

### **Intelligent video monitoring for data centers (131)**

According to the exhibitors from Rittal, it is accepted nowadays that data centers have to be video-monitored, not least for technical reasons. The video recording of a technical malfunction, for example when a fire or an undesired humidity level occurs, can provide information about how and why it happened. With such control, repair work can be carried out more promptly and systematically. The installation of an intelligent video monitoring system that can do more than just observe is therefore called for. As the company points out, video recordings use up a lot of memory and those events that should trigger the recording function must be determined in advance. In the simplest case a motion sensor is said to control the alarm. The exhibitors are therefore presenting a high-end network video monitoring solution that combines an IP camera with their CMC-TC monitoring system, whereby the sensors incorporated in the latter also trigger the recording function if certain limits are exceeded. Such limits can be related to the rack interior temperature or to an event such as the opening of the access doors. (Photos available)

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Hall: , Stand

### **Interactive UPS devices with built-in supercharging (329)**

The Orion 500, 625 and 750 VA line interactive UPS units on show from Voltronic feature green topology, which reportedly saves 50 percent in terms of energy in comparison with other devices at AC mode. The manufacturers draw attention to their built-in super-smart charger, which apparently yields a 90-percent charge in four hours. The charging ability at low input voltages is claimed to be two times more powerful than other models. In addition, superior microprocessor control helps ensure a high degree of reliability. Further features include Boost-and-Buck AVR (Automatic Voltage Regulation) for voltage stabilization, off-mode auto-charging, and auto-restart while the AC is recovering. A cold-start function, a built-in USB communication port and RJ-11 phone protection are also integrated. Battery backup and surge-protected outputs are further merits, along with an easy replacement of the battery department. (Photos available)

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Hall: , Stand

### **Interactive UPS units with green topology (328)**

Voltronic announce their presentation of the Eco Vesta 450, 650 and 850 VA lines of interactive UPS (Uninterruptible Power Supply) units. The devices are said to incorporate green topology, reportedly saving 50 percent in energy in comparison with other products in AC mode. The manufacturers point up their built-in super-smart charger, which apparently yields a 90-percent charge in four hours. The charging ability at low input voltages is claimed to be two times more powerful than other models. In addition, superior microprocessor control helps ensure a high degree of reliability. Further features include Boost-and-Buck AVR (Automatic Voltage Regulation) for voltage stabilization, off-mode auto-charging, and auto-restart while the AC is recovering. A cold-start function, a built-in USB communication port and RJ-11 phone protection are also integrated. (Photos available)

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Hall: , Stand

### **IT climate control system with enhanced efficiency (130)**

The Computer Room Air-Conditioning System (CRAC) from Rittal is said to deliver IT climate control from a single source. As is explained, the system draws in the warm air from the server enclosures at the top of the unit and cools it either with water or the refrigerant R407c in a closed heat exchanger. The cooled air is filtered and blown under positive pressure to the false floor, from where it rises into the cold aisle. What is seen as particularly innovative in the new climate control system is the positioning of the fan in the raised floor itself. From there, the cooled air can apparently be distributed in an unimpeded fashion in the raised floor. In the enclosure as such, there is then more space available for a larger heat exchanger. In addition, unnecessary diversions of the airflow can be avoided and flow resistance can be minimized. This method is claimed to achieve an increase in efficiency of typically 10 to 30 percent with a reduced space requirement. Humidity is also maintained at a constant level, the manufacturers point out. The system is available in output ratings from 17 to 125 kW effective cooling capacity. (Photos available)

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Hall: , Stand

**Keychain with three LED lamps powered by the sun (813)**

Camelion is a German company specialized in the research, development and manufacture of quality-constructed batteries. One of the new products that the exhibitors will be bringing with them to the fair this year is a keychain accessory with three LED lamps powered by solar energy. As the manufacturers point out, batteries are not required. (Photos available)

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Hall: , Stand

**Laptop sleeve case with protective neoprene element (532)**

One of the current products on exhibition from Shenzhen Xinbaize Electronic in China, which manufactures specialty bags for appliances like laptops, digital cameras and game players, will be a laptop sleeve case. The exterior of the sleeve is made from a leading brand of neoprene, a popular and reliable material said to be ideally suitable for laptop sleeves. The neoprene component of the sleeve reportedly gives it an exterior that can ward off shock, scratches, or any other types of harm to the laptop. In addition, the built-in metal wire gives the laptop extra fortified protection, making it safe from outside pressure in the form of twists, bends or bumps. Various colors and styles are available to suit individual tastes. The cases come in all sizes to offer protection to every kind of laptop. (Photos available)

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Hall: 021, Stand B50

**LCD touchscreen monitor with seven-inch diagonal (378)**

The new VT-70 from Waysion Technology in China is a seven-inch, 16:9-format stand-alone VGA TFT-LCD monitor with touchscreen. The manufacturers highlight the LCD resolution of 800xRGBx480 dpi, the contrast of 500:1, and the LCD brightness of 300 cd/sq m. The four-wire resistive touchscreen has a USB or an optional RS-232 interface. VGA input is provided by a 15-pin D-Sub analog RGB interface. Further merits are seen in the automatic display adjustment, the high-brightness LED backlight, the minimal lifetime of 20,000 hours, and the four adjustable backlight levels for daytime or nighttime use. Two RCA video inputs and an audio input are incorporated. There is also an integrated loudspeaker and a full-function IR remote control. Particularly worth mentioning is the power consumption of 9 W. The unit has dimensions of 185x127x35 mm and a weight of 0.46 kg. Standard accessories comprise a VGA cable, AV cable, car power adapter, 12 V AC/DC adapter, remote controller, touch pen, driver disk, desktop stand, and instruction manual. (Photos available)

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Hall: 025, Stand E61

**Linux-based four-bay RAID mini-server system (235)**

The GS-3410 Server Master is a multi-functional server designed for small and home offices with Embedded Linux on DOM (Disk-On-Module). The server apparently separates the data storage media completely from the operating system and is designed for environments that require a higher operating stability than the ordinary disk drive operation. It can be placed between a modem provided by an ISP (Internet Services Provider) and the hubs or switches on the LAN. The device is said to require only general skills to operate and can be simply installed and configured. RAID 0, 1, 5, 6, 10 and JBOD modes are supported, as are flexible HDD configurations. The all-in-one server incorporates built-in functions such as DNS, Mail, WWW, Webmail, Proxy, Firewall, DHCP, NAT, FTP, My-SQL and Postgre-SQL Database, Anti-Virus, UPS, DDNS, and an Internet VPN server. According to the exhibitors, an off-site backup of the configuration files and data restoration can be simply carried out and there is also HDD hot-swappable support. (Photos available)

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Hall: , Stand

### **Low-cost 3D laser scanning for everyone (929)**

The David Laserscanner 3D scanning system is said to comprise a starter kit that contains everything needed for anyone to set up a 3D scanner. As the developers explain, users merely have to hold the low-cost laser in their hand and sweep the laser line over the object to be scanned, whether it is a sculpture, a face, or any other object. The new system immediately generates a 3D model in the PC, reportedly capturing even fine surface details of less than 0.2 millimeters. All sides of the object can be separately scanned, including the top and bottom. The software then automatically aligns and fuses all the scans together to create a textured all-round model. The results can be stored and used in various standard 3D file formats such as OBJ, STL and PLY. Specific uses are identified in applications such as computer animations, games, virtual 3D environments, the presentation of products, the depiction of works of art, or archaeological work, but the exhibitors ultimately see hardly any practical limits to the system's possible deployment. (Photos available)

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Hall: 021, Stand D40

### **Media player with Sata HDD and multi-file support (283)**

The HET 670RT, the latest PC-independent, 2.5- and 3.5-inch HDD enclosure from Heisei Electronics is said to support more playback options than most media players on the market. With the high-definition Bluetooth player, which supports 2.5- and 3.5-inch Sata hard disk drives, users can enjoy entertainment anywhere without a PC. Multi-file formats can be read, such as HD video, high-resolution photos and MP3 music files. According to the manufacturers, data can be downloaded directly from the Internet without a PC, even after the PC has started to download. The exhibitors also highlight the file streaming from PC into the LAN through the Ethernet port. Files can also be played from a USB storage device or a card reader directly. Both NTSC and PAL video-out and HDMI-out are also supported. Finally, attention is drawn to the friendly user interface and the remote control. (Photos available)

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Hall: 019, Stand D52/1

### **Medical-grade fanless panel PCs with Intel Core Duo (738)**

Wincomm will be displaying two 17-inch true-color diagnostic medical PCs with Intel Core Duo mobile processors. The WMP-171 has a low-noise fan and the WMP-172 is fanless. The Taiwanese manufacturers point to the support for PCI expansion, the HDD anti-vibration mechanism, the optional webcam, and the support for 802.11b/g wireless solutions through the optional internal antenna. Additional specifications include a 533/800 MHz Front-Side Bus, the DVI 29-pin output, and the two two-channel DDR 2 SODIMM sockets for up to 2 GB of memory. Eight USB 2.0 ports are integrated, with four ports in the rear I/O region, two ports with on-board pin headers, and two reserve ports for the webcam and touchscreen. The WDT (Watchdog Timer) facility generates a system reset after a system time-out. Storage features embrace a 2.5-inch SATA HDD drive bay and a bootable Compact Flash slot for CF type I/II cards. There is also a 32-bit Mini-PCI socket for the optional wireless card. The power input is given as 12 to 28 VDC and the mounting is specified as Vesa Mount 75/100. (Photos available)

#### **WINCOMM CORPORATION**

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Hall: , Stand

### **Medical-grade switching power adaptor (419)**

Fuhua Electronic will be presenting a medical-grade switching power adaptor with interchangeable plugs (8 W). The product, with the designation UE08 WCP-SPAZ, has an input voltage of 100 to 240 VAC, a maximum input current of 400 mA, and a frequency from 50 to 60 Hz. The manufacturers also highlight the output voltage tolerance of plus/minus five percent, the low standby power of maximally 0.3 W, and the Energy Star level V (2.0) efficiency. The output data range from 3.0 V and 0.1 to 2.0 amperes up to 18.0 V and 0.1 to 0.44 amperes. As regards the environmental specifications, the company gives an operation temperature of 0°C to 40°C at maximum load, a storage temperature of -20°C to 60°C, and a non-condensing humidity of five to 95 percent. Various safety approvals are also listed.

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Hall: 020, Stand A53

### **Memory card for high-level digital cameras (756)**

A-Data declares the launch of what it claims is the fastest Compact Flash card available. The Turbo Series CF 350X memory card has apparently been especially designed for professional photographers. The very good data read speed transfer of 52 MBps and the write speed of 47 MBps along with the availability of 8 and 16 GB storage space are deemed the ideal partner for high-end cameras. The series supports dual-channel data transfer and UDMA 0-5 mode as well as MDMA 0-4 mode for high-level digital cameras. As is pointed out, users can store up to 1,500 photos in raw file format in the high-capacity memory card. Using original SLC (Single-Level Cell) flash memory, the card is said to be able to deliver superior performance. As a result, users can enjoy the pleasures of non-stop shooting and continuous filming thanks to the advantages of stability and high capacity. (Photos available)

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Hall: , Stand

### **Micro-USB drive with 2009 Year of the Ox motifs (722)**

The Baby King micro-USB drive from Choice Only in the 2009 Year of the Ox limited edition is characterized as a compact and slim device that perfectly combines traditional Chinese culture and modern technology. It comes in a wide range of colors and in capacity configurations from 1 to 8 GB, identified by different Ox totems. By adding young and vigorous elements to the design, the company says it is aiming at a younger generation. The device can be hung on a mobile phone with a special pendant. The range is said to feature high stability and very high USB 2.0 transfer efficiency as well as effective resistance against water, dust, impact, and shock. The manufacturers also highlight the support for Vista Ready Boost and an energy-saving mode. Additional merits are reported to include a disk segmentation utility, powerful archive encryption and compression functions, the reception and sending of e-mails, auto-logins to websites, the synchronization of Favorites, and the synchronous updating of data. The dimensions are given as 32x12x2 mm and the colors available are white, yellow, dark blue and purple. (Photos available)

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Hall: 015, Stand A23

**Military-grade, ultra-rugged handy terminal (336)**

The Ruggedbook 273 PDA is a military-grade, ultra-rugged handy terminal that combines the Windows CE 5.0 operating system and Intel's high-performance Risc PXA 270 CPU. According to Samwell, it also integrates the wireless connectivity of WLAN 802.11b/g, Bluetooth, GPS, GPRS, WCDMA and HSDPA wherever the user may be located so that connection is always possible without cables. Moreover, with the CF and SD slots, users can increase their data storage capability and plug in RFID accessories as they wish. With its many integrated applications, the PDA is seen as highly suitable for chain management operations.

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Hall: , Stand

**Mini projector with 1 GB internal memory (971)**

From their Multimedia Xperience line, Adapt will be presenting their Pocket Projector. With dimensions of only 125x55x23 mm, it can be placed inside a pocket and carried around to play videos and music or show photos with the built-in 1 GB memory, or it can be connected to a mobile phone or laptop with the three-in-one AV jack provided. According to the manufacturers, the device features LCoS optical technology by 3M and projects an image size of 15 to 127 cm over a distance of 25 to 180 cm. The light source is white LED. The exhibitors also highlight the aspect ratio of 4:3, the luminous flux of 10 lumens, and the VGA resolution of 640x480 dpi. A full range of playback formats is supported and there is a memory card slot for popular card types. The power comes from an AC power adapter or an NP 120 lithium-ion rechargeable battery with a minimum operation time of 60 minutes. A remote control is also included, as is software for AV media conversions. (Photos available)

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Hall: 014, Stand J04

**Mini-ETX CPU module with high-performance features (68)**

The new Com 1500 module from SBS Science and Technology has dimensions of 85x105 mm. The mini-ETX CPU module is based on the Intel EP 80579 integrated processor with rates from 600 MHz to 1.2 GHz. It features system-on-module, a small form factor and easy extension. Specifications include up to 512 M DDR 2 SDRAM onboard, 256 KB L2 Cache, a PCI Express interface supporting 1x8, 2x4 or 2x1 configurations, three 10/100/1,000 Gigabit Ethernet interfaces, two UARTs, two USB 2.0 ports, and two Sata ports. Further features consist of two I2C/SMBus ports, one Synchronous Serial Port (SSP), a PS/2 keyboard and mouse, up to 36 GPIOs, a Low Pin Count Bus (LPC) interface, PCI bus support, WDT support, and Security Services Unit (SSU) support. The operating temperature range extends from 0°C to +70°C and an extended range is optionally available from -40°C to +85°C. The passive cooling and the +5 V power supply are also highlighted.

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Hall: , Stand

**Mini-ETX CPU module with small form factor (66)**

Com 1400 from SBS Science and Technology is a new mini-ETX CPU module based on Intel Pentium M or Intel Celeron M (600 MHz to 1.6 GHz) processors. The module, which has dimensions of 85x105 mm, features a small form factor and ultra-low power consumption. Features include up to 512 M DDR SDRAM onboard and a highly integrated EIDE interface. Connectivity is provided by a 10/100 Base-T Ethernet interface, two serial ports, one parallel port, six USB 2.0 ports, digital I/O, and AC'97 sound I/O. The model comes with a PS/2 keyboard and mouse as well as VGA and LVDS interfaces with support for dual independent displays. The temperature range extends from -25°C to +70°C and the optional extended range is given as from -40°C to +85°C. Other aspects highlighted by the manufacturers are the passive cooling, the PC/104+ bus extension, and the ATX support.

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Hall: , Stand

### **Mini-ITX chassis with wall-mounting kit (82)**

The NU-057 Wi is a small and slim chassis with Vesa holes and a wall-mounting kit for easy installation. According to Jou Jye Computer, it has adjustable rails to fix the chassis directly to the wall or to a monitor arm. The casing has been developed for the Mini-ITX form factor measuring 170x170 mm and is said to be compliant with the Intel motherboards D201 GLY2, DG45 FC, DQ45 EK, D201 GLY, D201 GLY2A, D945 GCLF and D945 GCLF2. Features include drive space for one internal 2.5-inch hard drive and one slim optical drive. Equipment includes a 100 W, 180 W, 220 W or 250 W internal power supply unit or an external adapter for 60 W, 80 W or 120 W. The dimensions of the enclosure are given as 66x269x234 mm with the wall-mount kit. The case body material is black metal. With the PSU, the product weighs 2.8 kg. (Photos available)

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Hall: 024, Stand D28

### **Mobile device cases with versatile fitting (226)**

Krusell International will be presenting a number of model-specific cases for smart phones under the name of Orbit Flex. The products all incorporate the company's patented Multidapt system, which allows multifunctional carrying options and thus makes the cases compatible with clips and holders for cars, bicycles, motor bikes, trouser belts, and jacket pockets. The manufacturers highlight the very good fitting and the cutouts and openings for all required functions. The two-in-one case has a removable lid and a unique design by the product designer Robert Mazetti. There is a hidden magnetic lock. The case is said to protect the lens on camera phones and there are pockets for memory cards. The shell material is cow leather and superior Nappa leather and the anti-slip lining material is made of polyurethane imitation leather. The stitching has a contrasting color thread. It is available in black or beige. (Photos available)

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Hall: , Stand

### **Mobile hybrid TV receiver with seven-inch diagonal (380)**

The new DT-700W is a mobile, seven-inch hybrid DVB-T and analog TFT-LCD TV from Waysion Technology. The device has an aspect ratio of 16:9 and the LCD parameters include a resolution of 480xRGBx234 dpi, a brightness of 500 cd/sq m, a contrast of 300:1, and a viewing angle of 140° and 120° in the horizontal and vertical respectively. According to the manufacturers, the built-in tuner enables DVB-T and analog TV to be received that meets the DVB-T and Mpeg-2 standards. The demodulation methods are specified as QPSK, 16QAM and 64QAM, and the analog receiving mode is CATV. The automatic channel scan and search system can apparently store 1,000 DVB-T channels and 256 analog channels. Further features include automatic off at a pre-set time, a full-function infrared remote control, and horizontal and vertical image flipping via remote control. Power consumption is said to be less than 10 W. A car lighter adapter is also supplied. (Photos available)

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Hall: 025, Stand E61

### **Modular range of power supplies for retailing (280)**

The Everest 80 Plus 400 W to 700 W series is a new modular range of power supplies for the retail market from FPS. The range is claimed to manifest a high efficiency rating of up to 85 percent and is reportedly certified by 80 Plus. Each power supply also comes with at least one PCI-e connector to support a graphic card, and the 600 W and 700 W versions also support both SLI and Crossfire systems. (Photos available)

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Hall: , Stand

### **Mouse with tilt-wheel mechanism feels like a pen (963)**

The Scope Mode Mouse from Ednet, a subsidiary of the Japanese company Elecom, is said to feel like one is holding a pen. As the exhibitors explain, the laser sensor is placed in the same position as a pen tip. A special tilt-wheel mechanism has been incorporated to allow vertical and horizontal scrolls. The mouse reportedly supports the operating systems Windows Vista, including Service Pack 1, XP from SP2 to SP3, and Mac OS X 10.5 to 10.5.3. Further specifications include a resolution of 1,600 dpi and a USB interface. (Photos available)

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Hall: 025, Stand D80

### **MP3 ghetto blaster with digital radio (160)**

A-Max will be demonstrating its MP3 ghetto blaster as an accomplished entertainment product. First of all, the boom box is described as a DAB radio with built-in quality stereo speakers for digital radio. Its auto-search feature is said to provide more bandwidth stations than an analog radio does. Secondly, the appliance works with an MP3 player and I-Pod to provide optimal music playback and battery charging. Thirdly, it serves as a host device with a specially designed SD slot that allows music to be played from an SD/MMC card and a USB flash drive. Finally, it also integrates S-Video Out and Aux input sockets. According to the manufacturers, these versatile features are bound to make life more enjoyable and colorful for any user. (Photos available)

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Hall: 021, Stand C14

**Multimedia-capable handheld for wireless Internet (118)**

The new X11 device on display at the Vedia stand is billed as an MID (Mobile Internet Device) in a stylish design that provides wireless Internet access. The handheld is designed to provide entertainment, information and location-based services for the consumer market. It has a larger form factor than a smartphone but is smaller than an Ultra-Mobile PC (UMPC). The portable device is therefore seen as filling a consumer niche between smartphones and Tablet PCs. It features a 1.3.5-inch TFT screen with sensitive touchscreen, a resolution of 320x480 dpi, Wi-Fi (IEEE 802.11 b/g), and support for 3G high-speed data access using external HSDPA and GPRS. Apart from functions like music, video, pictures, e-book, FM radio, chatting software, an Internet browser, flash player, and games playing, there is a camera for chatting by VoIP face-to-face and support for direct video decoding to D1 resolution without any decoding software. Selectable external functions include GPS and DVB-T. The CPU is an AU1250 with 500 MHz. The playing time is given as five hours for video and 20 hours for audio, with three hours of Wi-fi and 30 hours of standby. The operation system is Windows CE 5.0. (Photos available)

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Hall: 021, Stand G23

**Multi-stand webcam with up to 7.7 MP still images (439)**

Chicony Electronics will be presenting their latest products from the PC camera and web camera domain. One of the exhibits will be a multi-stand webcam compatible with USB 2.0 and 1.1. Specifications highlighted by the manufacturers include the resolution options of true 300K pixels, 1.3 megapixels or 2 megapixels. The still image resolution options are given as 1.3 megapixels, 5 megapixels and 7.7 megapixels. The device reportedly works with MSN, Windows Messenger, Yahoo and Skype. (Photos available)

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Hall: 021, Stand E64

**Network video surveillance system for high-end use (432)**

Q-Nap in Taiwan will be highlighting their new Viostor-5020 NVR (Network Video Recorder), a five-bay, hot-swappable network video surveillance system. It has been conceived for high-end, convenient and reliable IP-based real-time monitoring and video recording. Powered by an Intel 1.6 GHz CPU and 1 GB of DDR II memory, the Linux-embedded NVR reportedly supports 20-channel M-Jpeg or Mpeg-4 recording from Axis, Panasonic, Canon, Sanyo, D-Link, Arecont, Vivotek, Ganz, Level One, Mobotix, I-Qeye, Toshiba, Acti and Elmo IP-based security cameras. The system enables long-time recording from various IP cameras anytime and anywhere over the web and independent of any PC. It also allows megapixel recording with a high recording performance of up to 8 megapixels. The solution supports RAID 0, 1, 5, 5+ Hot Spare, 6 and JBOD (Just a Bunch of Disks) disk configurations. It is seen as an ideal end-to-end network surveillance system for system integrators, small and midsized businesses, and enterprise users. (Photos available)

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Hall: , Stand

**New motherboards for the Intel Core i7 processors (206)**

Gigabyte will be showcasing their high-performance X58 series of motherboards, the GA-EX58-Extreme and GA-EX58-UD5 designed for the new Intel Core i7 processors and the Intel X58 Express chipset. The boards are reportedly equipped with new features such as the QPI interface, three-channel DDR3 support, Triple SLI and Crossfire-X support, Ultra Durable 3 technology and an extensive range of over-clocking features. The three PCIe x16 Gen 2.0 slots are said to be interesting for gamers. As is explained, the company's Ultra Durable 3 design features two ounces of copper for both the power and ground layers, which dramatically lowers system temperature by delivering a more efficient spread of heat from critical areas of the motherboard such as the CPU power zone throughout the entire PCB. It is also claimed to lower the PCB impedance by 50 percent and provide improved signal quality and lower electromagnetic interference. In addition, the boards feature the new Hybrid Silent-Pipe 2, a fusion thermal solution that combines proprietary screen-cooling technology, external heat sink and liquid cooling with chipset water block to deliver maximum thermal performance. (Photos available)

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Hall: , Stand

### **Notebook mouse with power-saving features (441)**

Chicony Electronics in Taiwan plan to bring a number of mice, trackballs and touchpads with them to the fair. A notebook mouse, for instance, supports power-saving capability and reportedly runs on just one AA battery. The receiver is plug-and-play and a power switch is said to make the battery life longer. A magnetic dongle comes bundled with the mouse in the optical solution. (Photos available)

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Hall: 021, Stand E64

### **Notebook PC station for cooling and ergonomic use (370)**

Everest is a bi-functional notebook accessory from Akasa. Its first function is to efficiently cool the notebook PC and its second function is to provide an ergonomic operational position for the notebook PC. As is explained, notebooks become hot during prolonged use due to many components being confined in a small space and the electronics have to be kept cool to extend CPU, HDD and battery life. To this end, the product on show uses high-grade aluminum and two 80-mm fans to cool the notebook. As the company also elucidates, good notebook placement is necessary to ensure comfortable continuous use and the accessory has six adjustable heights to allow the optimum screen height for pain-free viewing and thus eliminate the main cause of neck and back strain. The fan speed is adjustable to suit any environment and is said to be virtually noise-free. A four-port USB 2.0 hub is built into the rear, which conveniently extends the notebook connectivity and enables PC peripherals to be connected.

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Hall: 024, Stand E26



### **One-button disk repairing and cleaning system (717)**

The PC-7189 is described as a professional disk repairing and cleaning kit and comes in a special drawer design to house all the various components and carry out the operations while hands are kept free from chemicals and odor. The manufacturers highlight the new Blu-ray disk cleaning function. In addition, the kit can be used on any eight- or twelve-cm optical disk such as a CD or DVD. As is explained, with a simple, one-button motorized procedure, the device repairs and polishes the disks, effectively removing scratches, dust, stains and fingerprints. The non-toxic cleaning and repairing fluid is reportedly SGS-certified. The company says it has improved the performance to clean and repair more effectively and maintains that the solution can clean and repair up to 99 percent of all scratched disks. A replacement kit is also available.

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Hall: , Stand

### **Optimal transmission of high-resolution signals (84)**

The DP to HDMI Display Port adapter AVA 121 from Jou Jye Computer is said to provide an optimal transmission of high-resolution picture and video signals. The adapters, which are designed for the transmission of the digital DP audio-visual signal including the DHCP protocol, can reportedly be used for various different applications. For example, the latest monitors with Display Port interface can be connected to computers with an HDMI interface. Thanks to small dimensions, the adapter is seen as especially suitable for notebooks. The products are claimed to guarantee loss-free data transmission. They transmit the HDTV signal with up to 2,560x1,920 pixels by full duplex with a speed up to 8,64 Gbps and support all current resolutions for PC displays. According to the manufacturers, the latest standards DP 1.1 and HDMI 1.3c Cat2 are supported by the DP HDMI adapter and the DP DVI adapter supports the standards DVI 1.0 and DP 1.1. The exhibitors offer different series of high-quality DP/HDMI/DVI cables with gold-plated contacts and a three-fold screening system available from stock in lengths up to 15 meters. (Photos available)

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Hall: 024, Stand D28

**Panel PC with seven-inch LCD and touchscreen (256)**

The new FTW-PCSYS 22LF panel PC from Fabrimex features CPU support for the Freescale IMX21 with 266 MHz. The GPU (Graphics Processing Unit) supports 2D, a resolution of 640x480 dpi, 18-bit VGA, Mpeg 4 and H263 encode and decode acceleration, w/pre and post-processing. Further specifications on the homepage point to the Cirrus Logic CS 8900-CQ3 (10 Base-T) and the 32 MB NAND flash for storage. (Photos available)

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Hall: , Stand

**PC accessories in lipstick colors (24)**

Aimed specifically at female computer users, Hama has now launched its Emerging series of matching accessories in various pink, red, and purple tones in order to make sure that the hardware matches the lipstick, as the company puts it. The product palette ranges includes a mouse and keyboard, webcam, card reader and USB hub. All the devices are available in pink, whereas the mice are also available in purple and red, with the edges illuminated in complementary colors. Everything is apparently decorated with playful flower ornaments to match. As is pointed out, all the articles meet the expectations most commonly made of such items. The mice are available with a resolution of 800 dpi and a scroll wheel with key function. The hub provides four USB ports, while the card reader works with all standard memory cards. The webcam functions with popular chat programs and can be placed on the table or clamped onto a flat screen monitor. On the keyboard, the X-structure design of the keys is claimed to result in a particularly soft keystroke and the special audio and video keys provide quick access to the user's favorite music. (Photos available)

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Hall: , Stand

### **PCI-Express and PCI expansion chassis (699)**

Contec will be showcasing their new PCI-Express and PCI expansion chassis for laptops and slim desktop PCs. The products enable the use of standard PCI or PCI-Express add-on boards with devices that have no slots for such add-on boards. The GECH-PE-CE-H2B has two half-sized slots and the GECH-PE-CE-F2B has two full-sized slots for PCI Express x1 inside. These slim-line enclosures are seen as ideal for applications in limited spaces. The x1 lane of each slot is connected to the PCI-Express bus of the host PC and reportedly supports up to the full speed of the x1 lane, which is specified as 2.5 GT/s. The external chassis are said to be compatible with the PCI-Express external cabling standard Rev 1.0 and can be used with EAD-CE-EC, an Express Card/34 adapter for laptops, and EAD-CE-LPE, a low-profile PCI-Express card. The new series features two to eleven PCI slots inside. (Photos available)

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### **Pictures from mobiles to desktops via Bluetooth (22)**

The high-end digital picture frames from Hama with 128 MB of integrated memory receive the files to be displayed via a wireless Bluetooth connection. The pictures are transmitted from a mobile phone or digital camera straight to the 11- or eight-inch screen and displayed immediately. A resolution of 800x480 or 800x600 pixels, a contrast ratio of 250:1 or 400:1 and a brightness of 380 or 250 candelas per square meter are said to result in pin-sharp pictures. The devices also work with data received via the two built-in USB ports or can read from any standard memory card by means of the integrated card readers. In addition to pictures and videos, users can also play music in MP3 format through the integrated loudspeakers or through headphones to complement the images. In addition to the standard stills, the picture frames also provide a zoom function, image rotation, a slide show option and a split screen mode, all of which can be comfortably selected using the supplied remote controls. Little details like a clock, a calendar, an alarm, adjustable image display duration, file descriptions and a folder mode round off the devices. (Photos available)

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Hall: , Stand

**Portable device for your PCTV entertainment (74)**

A new product from Avermedia, the Aver-TV Galaxy, enables users to enjoy DVB-S digital satellite, analog TV and FM radio on a desktop or laptop. The device has a sleek, luxury printing casing. Apart from TV viewing, the S-video composite (RCA) ports make it a versatile unit by allowing connection to a DVD/VHS player, camcorder, or games console. The attractive box is supported by Prog-DVB and My Theatre DVB-S watching software. The latest Aver-TV 6 offers advanced real-time H.264 recording compression technology up to a resolution of 320x240 dpi and I-Pod/PSP video format recording. The product is shipped with a Universal DVB plug-in and an optimal MCE software encoder solution for Windows Media Center Edition (MCE) so that users can watch or record DVB-S and analog TV programs directly under My TV on XP and Vista platforms. Moreover, the company's exclusive Vista MCE video gaming plug-in and video quality enhancement plug-in can synchronize the video and audio of video games on Vista MCE and adjust the brightness, contrast and saturation of the video quality. As a result, a home theater PC can be set up with more versatile entertainment. (Photos available)

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Hall: , Stand

**Portable DVB-T TV with 3.5-inch touchscreen (733)**

One of the latest appliances on display from Yifang Digital Technologies in China will be their EV 907 portable DVB-T TV with a 3.5-inch TFT touchscreen. Reportedly designed in Korea, the device is said to be compatible with DVB-T and digital teletext standards. The manufacturers spotlight the automatic and manual channel search, the optional remote control, and the TV-Out function. Integrated features include a built-in speaker and an antenna interface. A multi-language user interface is a matter of course. (Photos available)

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Hall: , Stand

**Portable navigation unit with 4.3-inch touchscreen (732)**

The EG 432 is a portable navigation device with a 4.3-inch TFT LCD touchscreen and a resolution of 480x272 pixels. It also has a super-slim body and accepts SD cards up to 8 GB and MMC cards up to 2 GB. The exhibitors also highlight the support for audio playing, image viewing, and the multi-language capability. A speaker is integrated. What the manufacturers call full trip voice navigation is a further function. The device is powered by a rechargeable lithium-ion polymer battery. (Photos available)

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Hall: , Stand

**Portable storage device and multimedia viewer (61)**

The new Vosonic VP 8080 is described as a powerful multimedia storage viewer with 4.3-inch color TFT LCD and 2.5-inch SATA hard drive. It offers various functions such as data backup from memory cards, a photo viewer, music and movie playback, and audio and video recording functions. Storage expansion is facilitated via a customer-swappable, internal 2.5-inch SATA hard drive. The device reportedly supports all memory cards such as Compact Flash, IBM Microdrive, Memory Stick, Memory Stick Pro, Secure Digital and Multi-Media-Card, as well as Mini-SD, RS-MMC, MS Duo and MS Pro Duo with an adapter, which is not supplied. It uses a fast USB 2.0 interface for file transfer to a PC. The manufacturers point to the super-fast transfer rate of up to 10 MBps from a 1 GB CF card (with support of the ultra-DMA protocol) to a HDD. This backup function allows data to be transferred from the cards to the hard disk anytime and anywhere. The product also serves as a voice recorder, whereby the audio can be recorded from line-in or the internal microphone. The lithium-ion battery (NP-100 compatible) is said to be easy to replace thanks to the battery compartment design. (Photos available)

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Hall: 021, Stand A35

### **Portable video borescope with 2.5-inch monitor (44)**

Sharp Vision in China announces the release of the new VB-393 Portable Video Borescope, which encyclopedias describe as an instrument using optical fibers for the visual inspection of narrow cavities. The CMOS color camera transmits high-quality images through a fiber-optic bundle 1.22 meters in length and 7 mm in diameter to a 2.5-inch TFT LCD color monitor. It is said to be easy to carry because of its light weight and compact design. It is also claimed to be exceptionally easy to use. The device is powered by three AA batteries. Applications are seen in the inspection of pipelines, gas turbines, and underground lines. (Photos available)

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### **Power supplies and cases for high-end users (646)**

Compucase Europe plan to showcase a new retail premium brand of PSUs (power supply units) and enclosures called Cougar that has been specially designed for the high-end user and PC gamers. All the power supplies in the series are reportedly Nvidia SLI, ATI Crossfire X and 80-Plus certified and will initially offer up to 1,200 W for extreme requirements. The new super-tower made of aluminum offers broad space for the largest cooling solutions, high-end graphic cards, and water-cooling systems. Ultra-low-noise and temperature-controlled fans, a removable mainboard tray and a variable PSU bridge are among the further features. For high-end gaming notebooks, the new range offers a universal, digitally adjustable 100 W power supply. (Photos available)

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Hall: , Stand

### **Power supplies with built-in data loss protection (276)**

To solve the problem of lost data during power cuts, the FSP Group has developed their AI power supply series. As the name suggests, the range has an intelligent, built-in function that means uninterruptible power to protect against data loss. As the exhibitors from the European representatives explain it in their pre-fair press release, the devices are normal 500 W ATX power supplies with a battery backup system so that if there is a power cut, all the information on a computer is automatically saved before being switched off. According to further details in the Internet, the power supplies are designed with a built-in lead-acid battery, which generates and stores enough power so that the PC has an additional four to six seconds of electricity to save and backup the data when there is a power cut. When a PC system encounters unexpected power outage, the device will send a signal to the PC system to activate the data backup function. Once the main power source is restored, the user can then reboot the PC to return to the original data status before the power cut. (Photos available)

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Hall: , Stand

### **Power supply with automated thermal control (442)**

A power supply to be displayed by Chicony Electronics is said to be particularly silent and features automated thermal control technology. It reportedly supports Intel ATX 12 V Version 2.2 for Intel and AMD systems. The manufacturers highlight the Active PFC (Power factor Correction) of up to 0.99 for stability in the output voltage and the high efficiency of up to 85 percent. The exhibitors also draw attention the optimal system airflow and the black mesh cables. Full protection is apparently provided by OCP, OTP, SCP, OVP and OPP. The device is PCI Express connector-ready and the universal AC input is specified as 115 to 230 V. (Photos available)

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Hall: 021, Stand E64

**Powerline communication SoC based on Home Plug AV (333)**

The SPC 300 broadband powerline communication SoC (System-On- Chip) from Spidcom Technologies is reportedly based on the Homeplug AV standard. It features an open architecture with its Linux operating system and hardware interfaces and is said to be IEEE P1901-ready. The solution is intended to accommodate multiple HDTV streams, broadband Internet, music and other data around the house. As is explained, the Homeplug/Panasonic joint proposal is the technology baseline for the creation of an international standard for in-home and access powerline communication technologies. IEEE P1901 chips will apparently be backward-compatible with the company's chip. (Photos available)

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Hall: 013, Stand D19

**Professional cleaning kit for screens and monitors (713)**

One of the cleaning and maintenance products on show from Procure in Taiwan will be a TV and monitor screen cleaning kit with the designation PT-9106. As the website informs, the kit comprises a flat screen cleaner, a table bracket, an anti-static brush, and the cleaning fluid. The manufacturers draw attention to an innovative holding mechanism that stores the components of the cleaning kit on one stand. In addition, an improved ergonomic handle with a soft rubber grip is said to provide better cleaning control. The kit is claimed to effectively clean away dust, stains and fingerprints from all TV screens and monitors. A wider brush width is apparently able to effect more efficient cleaning for the larger wide-screen TVs. The company says it has increased the volume of the screen-cleaning fluid for longer use and points to the environmentally friendly refillable design. According to the homepage, the fluid is non-abrasive and non-toxic.

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### **Professional web browser and synchronization tool (1058)**

One of the enterprise-class TI solutions from Celframe Dynamics in Malaysia will be their Transcarta 2008. It reportedly comprises two impressive applications. Voyager 2008 is described as a web browser with high-grade features such as a web-based anti-virus module, a site advisor, anti-phishing capability, and in-built media players. Also integrated are a download and ftp manager, blogging tools, 1,024-bit SSL encryption, and an online language translator with over 1,600 language options. The second application included is Sync, which is billed as an innovative synchronization program that uses a cutting-edge algorithm to synchronize data between desktop PCs, laptops, and USB drives. (Photos available)

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### **Protection and UPS for home electronic devices (2)**

Homelight, which has been specially developed by the Turkish company Artronic to be used at home, transfers the power coming from the mains to electronic devices in a safe way by regulating the voltage. The new device is also said to ensure that home appliances run uninterruptedly in the event of any power failure. As the exhibitors point out on their homepage, fluctuating voltage from so-called dirty mains can easily cause expensive damage to highly sensitive circuits in electronic devices such as LCD and plasma televisions. The product has thus been developed to ensure a longer life for such electronic appliances. Applications are also seen in heaters and audio-visual equipment. (Photos available)

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Hall: , Stand

**Rackable 9U server chassis with easy maintenance (19)**

Chenbro will be showcasing a 9U 50-bay storage center server chassis. The rackable server chassis with the product designation RM 91250 is said to have a perfect layout inside. The supported M/B form factors are reportedly greater than with the competitors, there is also support for front access 50x3.5 inches, hot-swap hard disk drives and slim ODD, and a power switch is incorporated. Two sets of rigid slide rails serve to ensure reliability in the cabinet and there is a PCI holder for full-height or low-profile cards. The Taiwanese manufacturers also draw attention to the support for 1,620 W and 2,180 W 3+1 redundant PSU, the removable M/B and middle fan carrier for easy maintenance, and the relative screw to each backplane module to allow simple assembly. (Photos available)

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Hall: , Stand

**Rack-mount 2U NAS for massive data sharing (430)**

The new TS-809U-RP is a new-generation, rack-mount 2U NAS (Network-Attached Storage) model. It is powered by an Intel Core 2 Duo 2.4 GHz CPU and features 2 GB of DDR II memory, advanced RAID configurations, including RAID 0, 1, 5, 6, 5+Spare and JBOD (Just a Bunch of Disks), online RAID capacity expansion, and online RAID level migration. The system reportedly offers superior performance for massive data sharing across Linux, Unix, Mac and Windows platforms, powerful all-in-one business server features, advanced RAID data protection, a built-in I-SCSI target service, AES 256-bit volume-based encryption, and a hot-swappable hard drive design for modern businesses and corporations. The built-in I-SCSI target feature provides an affordable IP-SAM alternative for small and midsize enterprises. Moreover, the Thin Provisioning feature on Turbo NAS is also provided, which allows server managers to flexibly allocate the capacity of the I-SCSI LUN (Logical Unit Number) at the beginning without the limitation of the volume space. (Photos available)

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Hall: , Stand

### **Reliable UPS units with touchpad control panels (3)**

Artronic offers various solutions for uninterruptible power supply needs ranging from 600 VA until 8,000 kVA. The company's new compactly designed On Line UPS Optimum series has reportedly been developed for optimal cost-effectiveness and for high performance. With the appropriate quantity of batteries, the devices are claimed to provide reliable performance to meet the majority of on-line UPS demands at a competitive price. The exhibitors particularly highlight the LCD display, the extended backup time, and the power management software. (Photos available)

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Hall: , Stand

### **Reusable pads cleanly fix objects to car dashboards (548)**

The new Dash-Pad on show from ACV Electronic is a special pad that is claimed to provide a perfect hold on nearly every clean surface without adhesive or magnetism. As the German manufacturers explain, the very good grip is solely achieved by creating a vacuum between the pad and the surface. This allows any items placed on the pad to be removed easily without leaving any leftovers. The product has apparently been developed to eliminate annoying searches and disorder. According to further details on the homepage, the circular-shaped fastening accessory in four different designs can be used, for example, to fasten mobile phones onto the car dashboard or fix MP3 players, cigarette packets, lipsticks, or packs of tissues. The pads are washable and can be reused over and over again. (Photos available)

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Hall: , Stand

**Risc-based platforms for car PC devices (516)**

IEI has announced a wide range of advanced car PC devices. These include the new Kamio Risc-based platform, which is said to represent the classical application in car infotainment. The series provides powerful computing capability, embedded OS support, various transmission interfaces, and enhanced graphic processing speed in a highly compact size. With open platform, energy-saving and wireless networking support, the platforms are said to enable efficient integration with assorted peripherals. As the company explains on its homepage, the Risc (Reduced Instruction Set Computer) solutions use simpler instruction sets to achieve higher clock frequencies and process a greater number of instructions per clock cycle. They are especially designed to be highly durable in harsh environments. (Photos available)

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**Robust trolley case for up to sixteen netbooks (172)**

The Parapro Netbook Training Case from Parat is billed as a robust trolley case for up to sixteen netbooks, whereby almost any model is said to be compatible, with an integrated charging function and an Access Point. According to further details given on the German company's homepage, the cases are specified as hundred-percent waterproof, dustproof and airtight, stackable, practically indestructible, and meeting military standards. They apparently come in various large sizes, optionally with wheels, and feature a pressure-compensating valve, a fixture for a padlock, and an address label. The website information adds that the enclosures are available either empty or with a styrofoam insert. (Photos available)

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Hall: 025, Stand D54

**Robust, ultra-compact, fanless signage solutions (765)**

Clientron in Taiwan will be premiering their first application-ready digital signage solutions with a fanless, energy-saving and robust design. The new platform has been designed for use in modern retail, entertainment, education, hotel, hospital, financial and office applications. The company says it will be introducing two types of digital signage platforms, the box-type DS 2000 and the DS 6000 15-inch, all-in-one LCD digital signage solution. Both application-ready platforms reportedly target entry-level digital signage for indoors, small to medium-sizes displays, and network solutions. The former offers an X86-based platform, whereby the Windows and Linux operating system make it easy to integrate with other applications. It reportedly supports a resolution up to 1,600x1,200x32 dpi, one CF socket, one IDE port, four USB ports, one PS/2 connector, audio ports, and one 10/100 Base-T LAN port. The second exhibit, the DS 6000, is described as an all-in-one platform that supports 15-, 17- and 19-inch LCD displays, one CF card reader, one IDE port, two 2 W speakers, and one LAN port. (Photos available)

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Hall: , Stand

**Rugged embedded video server for auto surveillance (518)**

The automobile surveillance devices from IEI Technology have been developed to accommodate ruggedized mechanical hard drives capable of withstanding the constant shock and vibration of an in-vehicle environment. They reportedly support a wide operating temperature range as well as continuously monitoring and capturing event images of the surroundings. The new Vito-350 has been designed with fanless and power-saving features. The built-in Intel Pentium M processor with high-performance, low-power embedded computing capability provides diverse transferring interfaces to complete a broad array of connectivity options. As the manufacturers point out, it can also be applied on police vehicles to monitor patrol activities, to provide real-time passenger information, to monitor bus or train schedules, or to support fleet management, mobile communications and vehicle tracking. (Photos available)

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Hall: 019, Stand G44

### **Rugged-level military LCD technology (391)**

According to Rhinotech, which specializes in thin client computing devices, software and related embedded products, their RM-201 displays have been designed and qualified for application in the hardest of environments. The devices are said to feature first-class military LCD technology, which provides very good performance in terms of brightness, contrast, and the viewing angle. Since they offer rugged-level quality, the displays are adequately suitable for naval combat, army and airborne applications.

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Hall: , Stand

### **Sata controllers for optical disk duplication (458)**

The Vinpower range of Sata controllers are capable of copying CD, DVD and Blu-ray disk formats as well as labeling disks using Light Scribe or Label Flash technology. The controllers are available in many sizes such as 1 to 1, 1 to 3, 1 to 7, 1 to 11, and 1 to 15. Thanks to the PC connectivity, duplicators using the controllers and USB, Firewire or Ethernet connections can be linked to a single PC or all the PCs within a network. Advantages stressed by the American exhibitors include drive firmware upgradeability and the ability to upgrade specific model Optical Disk Drive (ODD) firmware directly in the duplicator. There is additional CD format support to copy CD-Text, CD+G and ISRC. The very large buffer memory is specified as from 128 to 256 MB, which is said to significantly optimize duplication quality. (Photos available)

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Hall: , Stand

**Seven-inch digital photo frame with desktop clock (735)**

One of the digital photo frames on show from Yifang Digital Technologies in China will be their EP 706. The device has a seven-inch TFT screen with adjustable screen brightness. According to the manufacturers, it supports SD, MMC and MS cards and multi-language user interfaces. The USB host compliancy and the remote control function are also stressed. A picture slideshow and a calendar can be displayed at the same time. The product is said to be not only a digital photo frame, but also a desktop clock display with alarm notifications. The stand, which can be rotated up and down, has been conceived to allow an easy positioning for portrait and landscape formats. (Photos available)

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Hall: , Stand

**Single-rail, industrial-level LCD console (285)**

The new EC 17 single-rail LCD console from Broadrack is billed as an industrial-level input solution that is easy to install and use. According to the Taiwanese manufacturers, the console has been designed to offer a competitive price and provide a greater flexibility of combination with a modular monitor and keyboard in order to save costs and enhance competitiveness.

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Hall: , Stand

### **Six-bay, high-performance NAS with I-SCSI (431)**

One of the Qnap systems on display will be the TS-639 Pro, a six-bay high performance NAS (Network-Attached Storage) solution with I-SCSI for business. Powered by an Intel 1.6 GHz CPU and 1 GB of DDR II memory, the device is claimed to deliver superior performance for massive data sharing and reportedly provides powerful all-in-one business server features, advanced RAID configurations like RAID 0, 1, 5, 6, 5+Spare and JBOD (Just a Bunch of Disks), online RAID capacity expansion, and online RAID level migration. The manufacturers also point up the built-in I-SCSI target service and the AES 256-bit volume-based encryption. The NAS also supports versatile functions available in the company's all-in-one Turbo NAS series. (Photos available)

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Hall: , Stand

### **Six-way AC extension with power saving (32)**

The Ahoku research and development team has added its own circuitry for power-saving master-slave auto control on their Ufo-MS six-way AC extension. Equipped with one master socket controlling three slave sockets and two always-on sockets, the device apparently enables users to save non-necessary stand-by power, but also keeps two must-on appliances working no matter whether the master socket is working or not. The fully spaced design of the six transformer sockets is seen as a good solution for using many bulky adapters in a power strip. The product also features surge protection to avoid electronic spikes and thus protect devices from damage. (Photos available)

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Hall: , Stand



**Sleep phase alarm clock finds optimum waking point (793)**

The Axbo sleep phase alarm clock, which is distributed in Germany by the exhibitors Simple Feature, determines the different sleep phases by measuring body movements and wakes a person up at a moment when he or she is already almost awake. As is explained, everybody goes through several cycles during the night with alternating deep and not so deep sleep phases. Each of these phases is marked by different body movements. It is apparently possible to distinguish the sleep phases solely by means of measuring this activity and thereby determine the optimum waking point. The clock wakes the sleeper gently within the last 30 minutes before the desired waking time at a moment when he or she is already practically awake. The result is said to be that one feels better, one has more vitality, and one is fully productive in the morning and throughout the day. (Photos available)

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Hall: 024, Stand E26/1

**Slim barebone system with Intel Atom CPU (258)**

A new development from Fabrimex in Taiwan is the FTW-PCSYS NPD-10 barebone system. The hardware is described as Atom-based, low in cost, and low in power. The manufacturers list the Intel Atom CPU and the 1.6 GHz Dual core as key specifications. Attention is also drawn to the slim design of the system. (Photos available)

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Hall: , Stand

**Slim laptop case with a touch of feminine elegance (228)**

As its contribution to today's fashion accessories, Krusell International says it will be exhibiting the Coco laptop case, which is reportedly characterized by a timeless cut and feminine elegance. According to the Swedish exhibitors, what they call their cheeky and sexy case offers full protection for laptops up to 15.4 inches. According to the company homepage, the case currently comes in the colors pink, cream and black and measures 370x270x40 mm. As the homepage also reveals, a camera case measuring 95x65x25 mm is available in the same series.

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Hall: , Stand

**Smart gaming mouse customizable to game styles (792)**

The Slider X 600 is acclaimed as an innovative smart gaming mouse that allows gamers to customize the device to fit their style of game play. Features include indestructible super-glide ceramic feet with a lifetime warranty, which are said to make the device very fast and precise, an innovative cable management system that offers lateral cable positioning, a mouse pad cord clip, which apparently provides greater freedom during play, and an ergonomic design for high comfort. The French exhibitors further highlight the powerful on-the-fly laser engine with a sensitivity of up to 3,200 dpi that also incorporates Cypress Sensor Ovation 1 technology. Other features include three programmable mouse profiles, eight programmable buttons, five different color illuminations, and a gold-plated USB connector. (Photos available)

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Hall: 025, Stand D40

**Solar charger with built-in solar panel and USB (816)**

Camelion plan to feature their SBC 3001 solar charger at the stand as one of their new products. Three individual channels charge up to four AA or two AAA NiMH or NiCd rechargeable batteries via solar energy. As is pointed out, the use of the sun's rays for power serves to reduce electricity consumption. The USB charger also supplies power for portable electronic devices like mobile phones and MP3 players. The USB port can also be used to charge batteries from a USB-enabled device like a computer. In addition, an integrated battery tester checks the power level of the batteries. According to the homepage, the appliance comes in the color black. (Photos available)

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Hall: , Stand

**Special streak-free cleaning spray for screens (386)**

One of the exhibits on show from Media Range will be a special cleaning spray for TFT screens, laptops and flatbed scanner screens that has been certified by the German technical inspectorate (TÜV). The product is apparently also suitable for use on PDA and LCD screens, screen-free filters, and all treated and untreated glass surfaces such as mirrors, microfilm reading screens, OHP (overhead projector) screens, and lenses. The package includes the company's micro-fiber cloth called Professional Quickstar Micro, which measures 38x40 cm, is washable up to 95°C, and is based on know-how from the German household and cleaning products company Vileda. According to the exhibitors' homepage, the solution effectively removes dust and dirt, provides streak-free cleaning, is rapidly self-drying, and prevents the build-up of static. (Photos available)

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Hall: , Stand

### **Standalone duplicators with network capability (461)**

Vinpower Digital has announced the availability of what it claims to be the first standalone controller/duplicator with network connection ability. When used with the company's controller and its LAN/Ethernet connection devices, the systems can apparently be connected to every PC within a given network. As a result, all authorized personnel can send image files to the duplicator's hard drive from anywhere within the network so that the jobs can be copied at anytime. This feature is said to be particularly ideal in an office environment where it is not always convenient or cost-effective to provide every employee with a duplicator. (Photos available)

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Hall: , Stand

### **Standalone tower-style duplicator for optical disks (459)**

The Shark Copier is described by Vinpower Digital as an advanced and optimally performing standalone manual tower duplicator. It is available in multiple configurations capable of copying all versions of CD, DVD and Blu-ray formats as well as performing standalone printing through Light Scribe or Label Flash laser-labeling technology. The series is also available in a Daisy Chain version, which allows several towers to be connected to a single master source. As is pointed out, this allows the user to make hundreds or thousands of copies simultaneously from a single master disk. In addition, the duplicators are said to offer many functions that distinguish them from the competition. These include support for Enhanced Load and Copy, which enables copying on-the-fly while simultaneously loading the master to the hard drive. This achieves faster and more stable duplication in subsequent runs. Continuous hard drive partitioning is also integrated, whereby files stored on the HDD use only the amount of space necessary for the size of the file. (Photos available)

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Hall: , Stand

### **Standalone Xerox disk duplication systems (462)**

The Xerox Disk Duplicators on show from Vinpower, which has apparently licensed the Xerox brand name according to the homepage, are standalone manual tower duplicators available with, one, three, five, seven, nine, thirteen or fifteen writer drives to suit different levels of production and budgets. The duplicators are available in three varieties, a standard CD/DVD version, one with Light Scribe (LS) capability, or one with added Blu-ray capability. All three options come with useful features such as the Drag and Drop function, which enables users to transfer image files from their computer directly to the internal hard drive of the duplicator for easy and convenient copying. The Light Scribe capability allows the duplicator to become an instant publishing system when using the appropriate LS media. In addition, the Account Management gives only specified users access to the duplicator or the files held within. (Photos available)

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Hall: , Stand

### **Stereo headphones using bone conduction (742)**

Goldendance have reportedly developed high-quality stereo sound headphones using bone conduction technology. As the exhibitors relate, there have been many attempts at bone conduction listening since Ludwig van Beethoven, but none have provided true high-quality stereo sound until now. The Audio Bone device from the Japanese company is billed as a breakthrough in bone conduction listening technology thanks to its exceptionally clear sound. The headphone features a built-in adjustable bone conduction speaker and is said to be compatible with standard music players and Apple devices. It is also foldable for convenience and no amplifier or extra batteries are required. The colors available are white and black. (Photos available)

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Hall: 019, Stand D49

### **Storage case archives disks and ejects selections (389)**

The Selector 100 from Media range is billed as a highly useful organizational accessory that archives storage disks and ejects the desired disk on demand. As is explained by the German exhibitors, the user simply presses the button to eject the register list and then uses the slide to select the desired disk. The chosen disk is sent out automatically. Further information on the homepage reveals that the system can archive 100 disks and is made of sturdy plastic material. The product is seen as ideal for archiving, transporting data collections, and protecting the disks from dirt and scratches. (Photos available)

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Hall: , Stand

### **Storage disk media with inkjet-printable surface (387)**

Immediately after printing with an inkjet printer, the new Media Range Aquashield media are said to be already smudge-proof and water-resistant. Moreover, the re-engineered printing surface offers the inkjet medium a high-gloss surface that could only be achieved otherwise with professional photo paper. As the company claims, the novel surface allows a hitherto unobtainable print quality, color fidelity, and rendition of detail. (Photos available)

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Hall: , Stand

**Stylish and waterproof bone conduction headphones (743)**

Goldendance In Japan will be launching their new Audio Bone Aqua stereo bone conduction headphone with an IPX7 waterproof rating. The ergonomically designed device is deemed particularly suitable for listening to music during outdoor activities like walking or hiking, jogging or running, and cycling or biking. As is pointed out, users need have no worries about washing it if it gets dirty. Indeed, thanks to the certified waterproof properties, the appliance can apparently even be worn when it is raining or while swimming. The headphones weigh only 35 grams and are available in the eight colors of black, white, blue, brown, orange, purple, green, and pink). The product is said to be compatible with standard music players and Apple devices. No amplifier or extra batteries are required. (Photos available)

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Hall: 019, Stand D49

**Stylish Bluetooth headset for up to three devices (772)**

The new Clip Naro 601 from I.Tech is showcased as a very chic and fashionable clip headset. It comes in vibrant colors such as shiny dark gray, bright gold, and a cool glossy black and white. The Bluetooth device is said to be the first with triple-point technology, which allows users to pair with three Bluetooth-enabled mobiles phones or devices at the same time. This cutting-edge feature allows users to switch calls effortlessly between the cell phone, PDA/Blackberry, and PC calls. The new headset also features the so-called mobile away alert function, an advanced feature to buzz users when a mobile phone is more than ten meters away. The device is built with two user-friendly buttons to manage basic call functions and the volume level. The Bluetooth version 2.1 plus EDR is reportedly compatible with phones supporting Bluetooth wireless technology. The talk time is specified as up to six hours and the stand-by time as up to five days, and the appliance will apparently stay in standby mode while charging, which is seen as ideal for drivers on long journeys. The digital signal processing (DSP) to provide crisp sound is also stressed. (Photos available)

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Hall: 020, Stand B51

**Stylish, high-power notebook ideal for gamers (505)**

Packard Bell describes its I-Power GX as the ultimate gaming notebook. It is billed as the perfect combination between high power, a cool design, and usability. Even when closed, the device is claimed to be an optical highlight. The distinctive design features red details and a graffiti look. Inspired by the wishes of gamers, the chassis is reportedly insensitive to scratches and optimally transports heat from the inside to the outside. The 17-inch display has a resolution of 1,920x1,200 dpi and is a good basis for modern games and high-definition movies. The well-defined keyboard and precise mouse control are also highlighted. The notebook houses a powerful Intel Dual Core CPU, the N-Vidia 9800 GTS graphic card, very fast DDR 3 memory, and a 320 GB hard disk with 7,200 rpm. A nine-cell battery provides long-lasting battery time. There is also a special power-saving mode. (Photos available)

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Hall: , Stand

**Stylish, jewel-type in-ear headphones (966)**

The Gem Drops Tiara 4 earphones from Ednet are billed as modern, jewel-type stereo headphones that also function as stylish accessories. They are also said to have a high sound-insulating capability that effectively cuts out side noise. Earphone caps made of ear-molded silicon rubber are included in the three sizes XS, S and M so that users can choose the right ones for them. The German exhibitors also highlight the driver unit with a diameter of 8 mm, the frequency response from 20 Hz to 20 kHz, the impedance of 16 ohms, and the sensitivity of 90 dB/1 mW. (Photos available)

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Hall: 025, Stand D80



**Stylish notebooks with Centrino 2 and E-Sata (207)**

Gigabyte will be unveiling its new 14.1-inch W476V and 15.4-inch W576V notebooks, which combine the latest Intel Centrino 2 processor technology with an E-Sata interface for very fast data transmission rates. Both come equipped with 16:10 glare, a wide-screen TFT LCD display with a maximum resolution of 1,280x800 dpi, a built-in 2M pixel camera, and HDMI for top multimedia performance. Both notebooks incorporate the innovative Intel 45 nm processor with 1,066 MHz FSB, expandable memory up to 8 GB, and support for hard disk capacity up to 320 GB. The built-in Intel Wi-Fi Link 5100 wireless network module enables Internet connection, e-mail, and instant messaging. In addition, the two products have a modular design that allows convenient upgrades. They are equipped with E-Sata/USB combo and HDMI interfaces, which reportedly allows their users to enjoy the same data transmission speed as a hard disk yields. The Champaign-colored geometric design also includes a top cover that is treated with IMR imprint technology, and the specially designed wrist rest provides extra comfort. (Photos available)

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Hall: , Stand

**Stylish thin computer with low-power fanless design (390)**

The Rhinotech TC-22 is described as a stylish and elegant thin computer from the Taiwanese company's latest generation of thin client products. The new addition to the line reportedly continues the original high-performance features of the series such as durability and the low-power fanless design. Moreover, as the Taiwanese manufacturers insist, the optional colors in the housing and front panel design aid customers in their market segmentation. In addition to various back I/O ports and networking links like Realtek RT 8100C, 10/100 Mbps Ethernet and internal 802.11 b/g wireless connectivity, the specifications listed on the homepage include a Via 1.0 or 1.5 GHz processor, 256 MB to 1 GB of DDR2 240-pin RAM, and dimensions of 240x203x53 mm.

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Hall: , Stand

**Surge protector with a compact, stylish design (331)**

Voltronic will be exhibiting the Scudo surge protector with its compact size and robust design. The manufacturers draw attention to the stylish design and the colorful panels. The device provides seven local receptacles for flexible use. The products in the range have been designed to ensure surge protection in modem and phone lines. According to the company homepage, the series automatically maintains a constant voltage level to protect sensitive electronics from brownouts and over-voltages. With its fashionable and flexible cabinet, it can be installed on a desk or wall without causing an unsightly or unprofessional image. (Photos available)

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Hall: , Stand

**Switching power adaptor with 12 V output (421)**

The UE12L-SPAZ switching power adaptor (12 W) to be displayed by the exhibitors from Fuhua Electronic in Hong has an input voltage of 100 to 240 VAC, a maximum input current of 300 mA, and a frequency from 50 to 60 Hz. The Hong Kong exhibitors also spotlight the output voltage tolerance of plus/minus five percent, the typical 75-percent efficiency at full load, and the low standby power of maximally 0.3 W. The output data are given as 12.0 V and 0.1 to 1.0 A. As regards the environmental specifications, the company lists an operation temperature of 0°C to 40°C at maximum load, a storage temperature of -20°C to 60°C, and a non-condensing humidity of five to 95 percent. The product has various safety approvals.

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**Switching power charger for lithium-ion batteries (420)**

Fuhua Electronic has developed a switching power charger for lithium-ion batteries with interchangeable plugs (9 W). The product, with the designation UE09 WCP-SPC, has an input voltage of 100 to 240 VAC, a maximum input current of 400 mA, and a frequency from 50 to 60 Hz. The Hong Kong exhibitors also highlight the output voltage tolerance of plus/minus five percent and the low standby power of maximally 0.8 W. The output data range from 7.5 V and 0.1 to 0.9 amperes up to 10.0 V and 0.1 to 0.9 amperes. As regards the environmental specifications, the company gives an operation temperature of 0°C to 40°C at maximum load, a storage temperature of -20°C to 60°C, and a non-condensing humidity of five to 95 percent. Various safety approvals are also specified.

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Hall: 020, Stand A53

**Thin client computer with flexible application (392)**

The Rhinotech PPW has apparently been designed with high-quality TFT LCD display capability. It also features a Via 1.0 or 1.5 GHz fanless processor, an optional smart card reader, Wi-Fi connectivity, and a wide variety of I/O links. In addition, the multifunction platform and industrial-standard Vesa mounting affords versatile integration possibilities. To meet different customer demands, the product supports reliable and durable touch interfaces using resistive, capacitive and SAW (Surface Acoustic Wave) technology. It can reportedly be installed in various specific customer environments for a wide spectrum of applications.

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Hall: , Stand

### **Thin client platform for mini-ITX motherboards (766)**

Clientron will be showcasing its new E Series thin client platform comprising the E 600, 700 and 830 models for most mini-ITX form factor and fanless design motherboards. The 600 series in the range has been designed with AMD E-Phoenix BGA 1 GHz processors and the M690E/T+ SB600 chipset. It supports DDR 2 memory up to 2 GB, one G-LAN, five USB 2.0 ports, and VGA and DVI/HDMI display modes. The 700 series is powered by the Via Eden ULV 1 GHz processor and the Via VX 800 chipset. This platform supports DDR 2 memory up to 2 GB, one G-LAN, one 10/100 LAN port with fiber option, one COM and six USB 2.0 ports, one PS/2 connector, audio ports, and CRT, DVI and LVDS display modes. Finally, the 830 series rests on the foundation of an Intel Atom N 270 processor and the Intel 945 GSE/ICH7-M chipset and supports DDR 2 memory up to 2 GB, two G-LANs, with one G-LAN as an option, six USB 2.0 ports, one PCI or PCIe interface, and VGA and DVI display modes. With their high performance, efficiency and security, the thin clients are seen as an ideal solution for education, financial, government, healthcare, high-tech manufacturing and other industrial applications. (Photos available)

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Hall: , Stand

### **Thin client solution for energy-saving mini PCs (80)**

The NU-0528i Mini-ITX on display from Jou Jye Computer is billed as a perfect thin client solution for low-cost, energy-saving, and compact systems using various Intel desktop boards. These are listed as D201 GLY2, DG45 FC, DQ45 EK, D945 GCLF and D945 GCLF2, D201 GLY, and D201 GLY2A. The thermally advantaged Mini-ITX slim chassis has an internal AC power supply, a 220 W Flex ATX PSU, or an external AC adapter and supports E-Sata at its rear panel. The dimensions with front panel are given as 88x218.8x254 mm. There are various configurations of drives and add-on cards to fit different needs. The specifications for front I/O access consist of two USB 2.0 ports and Azalia (HD) audio. The manufacturers also specify the possibility of installing a 60x20 mm cooling fan, which is not included. The enclosure is reportedly made of high-quality black plastic and can be fitted with a card reader on the front panel in all the three basic designs that are available. (Photos available)

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Hall: 024, Stand D28

### **Three-phase UPS as rack-mounted modular system (129)**

The new PMC 800 three-phase uninterruptible power supply from Rittal is a rack-mounted modular system that can hold up to ten UPS modules, which are available in the power ratings 8, 12, 16, 20, 24, 32, 40 and 80 kW. The system supports the pay-as-you-grow scaling concept. The UPS has apparently been designed for data centers with high power loads. As the German manufacturers describe it, the high-performance system ensures the supply of 200 kW per rack and 800 kW per system. It reportedly attains a high efficiency of up to 95 percent at full load and up to 94 percent in the partial load range and with non-linear loads, which is claimed to place it among the international leaders in its field. As is maintained, the potential savings add up to several thousand euros over the typical service life compared with less efficient UPS devices. The redundant reserve modules of the solution can be installed in the same rack, which apparently saves space and money. Another benefit is seen in the fact that the modules can be exchanged or retrofitted during operation without having to switch over to the bypass mode. (Photos available)

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Hall: , Stand

### **Three-watt pocket flashlight made of aluminum (817)**

Camelion will be demonstrating the effectiveness of their new three-watt pocket flashlight with the product designation CT 4003. The Hong Kong-based battery specialists draw particular attention to the zoom function and the SOS function integrated in the device. The torch is apparently made of high-grade aluminum material. The company also manufactures a broad range of other economical, durable and high-intensity flashlights for a wide variety of different situations. (Photos available)

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Hall: , Stand

**Tiny embedded CPU module based on the Intel Atom (67)**

SBS Science and Technology plan to introduce their new STM 8001 with dimensions of 55x84 mm. The product is billed as a very tiny CPU module based on the Intel Atom processor with up to 1.6 GHz. The module is reportedly distinguished by an ultra small size and ultra-low power consumption, typically less than 5 W. It is claimed to be the first and smallest embedded CPU module based on the Intel Atom processor.

Performance features include up to 1 GB DDR 2 SDRAM onboard, 512 KB L2 cache, a HD hardware video decoder engine, ultra-low power integrated 3D graphics, and onboard PATA SSD up to 4 GB. The exhibitors also point to the onboard battery-backed RTC, the IDE interface, LVDS port, SDVO extension port, PS/2 keyboard and mouse. Further ports comprise an SDIO port, two UARTs, eight USB 2.0 ports, two PCI Express ports, and Canbus and LPC bus support. The operating temperature range runs from 0°C to +70°C, with an optional extended range from -40°C to +85°C. The manufacturers also stress the passive cooling and the single +5 V power supply.

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Hall: , Stand

**Turnkey solutions for RFID systems (274)**

IEI, a Taiwanese provider of industrial computers, will be presenting new complete turnkey solutions for RFID (Radio Frequency Identification) systems. The solutions are apparently available in the form of low-frequency, high-frequency and ultra-high frequency systems. According to the manufacturers, the RFID series supports the ISO 11784, 11785, 15693, 14443 and 18000-6 protocols as well as EM, Mifare and Felica cards. As they point out, the complete range of options allow the RFID systems to be used for industrial-grade applications such as livestock identification, electronic toll collection, product authentication, supply chain management, library tracking systems, and fuel-dispensing loyalty programs.

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Hall: 019, Stand G44

**Ultra-compact microcontrollers with ULV Celeron M (700)**

The CPU-SB304-FIT series of ultra-compact PCs from Contec run with various operating systems such as Windows XP, Linux or DOS. The new units can be used as general-purpose PCs for measurement, control and communication, and can work with the company's UDP/IP-based F-and-eIT series of device modules, which are especially designed for Ethernet automation. The PCs feature the ULV (Ultra-Low-Voltage) Intel Celeron M CPU with 1.0 GHz and have various communication interfaces including USB 2.0 and 100 Base-TX. The UDP/IP-based devices can also be stack-connected to these units. The fanless PCs are totally air-cooled by the application of a heat sink without a fan. The disk-free, fanless micro-computer can be mounted on a 35 mm DIN rail. All the connections, excluding the F-and-eIT bus, are located on the front side of the unit for ease of use. A wide range of power supplies from 12 to 24 VDC can be used. The special interconnection mechanism allows the device modules to be stacked side-by-side so that additional interface components, such as backplanes, are not required. (Photos available)

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Hall: 019, Stand D49

**Ultra-quiet memory cooling fan with LED display (959)**

Golden Emperor International will be showcasing what is claimed to be the first memory cooling fan with real-time system information displayed through LEDs. As the company explains, the Evo Cyclone memory cooling system is embedded with a thermal sensor that indicates the surrounding temperature and real-time fan RPM. Optimized cooling technology is said to provide maximum airflow and heat dissipation. The metal fan bracket of the device comes with dual sets of cooling fins on both sides of the fan and air ducts underneath, which apparently offers the greatest possible cooling power for high-performance memory modules. The fan also features a height-adjustable clip design to fit memory module heat sinks of all sizes. The manufacturers further single out the quiet operation with 21 dBA at 3,400 rpm and the life expectancy that reportedly exceeds 25,000 hours of continuous operation.

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Hall: , Stand

**Ultra-slim, dual-core fanless PCs (697)**

Contec, an industrial computer manufacturer in Japan, introduce their IPC-BX 950 series of PCs. These fanless PCs feature the Intel Core Duo CPU. Thanks to their special design, the ultra-thin, 25 mm PCs can be installed inside a wall or partition or mounted on the rear of a flat panel display. As is stressed, the slim construction makes them ideal for mounting on the wall, ceiling or floor. Although the effectiveness of a system's heat dispersion can vary according to its installation, recommended installation information is apparently included for all acceptable variations, which has been gathered during the verification tests. The devices utilize a dual compact flash arrangement for the operating system and data collection. Along with the elimination of the system cooling fan, this reportedly makes them energy-efficient, easily maintained, and noise-free. (Photos available)

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**Universal adapter series for notebooks (275)**

Fortron/Source Europe, part of the FSP Group, will be exhibiting the NB CEC universal adapter series. The adapters are said to be compatible with up to 90 percent of notebooks on the market. According to the German exhibitors, the range also has an excellent standby value of less than 0.5 W and the products are reportedly compliant with Energy Star IV/CEC. (Photos available)

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Hall: , Stand



**Universal stylus for touchscreens with wrist-strap (229)**

Krusell International plan to demonstrate their Touch Screen Pointer for various kinds of touchscreen units. As the Swedish exhibitors maintain, it has been specially designed for good fingertip control on touchscreens. The band, which is wrapped around the hand, is used instead of a hard stylus. It is said to be steady in the hand and cannot be mislaid or lost too easily. The material is a highly durable plastic and the wrist strap is made of nylon. It can be continuously attached to the user's hand using the wrist strap and is apparently suitable for both left- and right-handed persons. The available colors are black, black and blue, and black and white. The flexible stylus is packaged in a poly bag. (Photos available)

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Hall: , Stand

**Universal travel plug adapter for 150 countries (33)**

Ahoku, a Taiwanese company producing power devices and fiber-optic communication components, plan to show their all-in-one travel adapter, a wall outlet plug for over 150 countries. According to the homepage, the compact and lightweight all-in-one device also features a built-in 6A fuse, L-N surge protection, children safety shutters, 110 and 230 VAC voltage indicators, and a surge status indicator. The manufacturers point out that the product does not convert voltage. (Photos available)

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Hall: , Stand

### **UPS systems with a claim to be fully green (20)**

Cyber Power Systems will be presenting an uninterruptible power supply (UPS) technology that effectively reduces energy costs and consumption. The company claims to be the only manufacturer to provide this kind of technology with its Green Power UPS systems. The products are said to consume 75 percent less electricity and generate 80 percent less heat during operation. As is pointed out, both these factors lift a certain load from the environment and at the same time pay off financially for the users. The exhibitors stress that no premium has to be paid for these benefits. The systems are also designed to protect against surge conditions and maintain power to connected equipment during a power loss. They reportedly utilize state-of-the-art technologies and are versatile and easy to use. (Photos available)

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Hall: , Stand

### **USB flash drive with fingerprint scanner (388)**

The Media Range Fingerprint USB Flash Drive is said to provide ultimate security with its embedded sweep-type sensor, the latest bio-verification technology. The user can allow selected access to secure data and software and protect private e-documents through the registered fingerprints of up to ten trusted users. As is pointed out, biometric technology makes data access as personalized as the uniqueness of the user, and the data can only be accessed when a fingerprint has been verified. Nobody else can use the drive unless they have their fingerprints recorded. In addition, a backup password can be specified for use in case a fingerprint is no longer readable through injury. A software package, including a Flash-Mail program, is already installed on the drive and is also secured by fingerprint. (Photos available)

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Hall: , Stand

### **USB pen drive with 8 GB and a stylish design (720)**

The Dr. Capsule Micro-USB pen drive will be highlighted by Choice Only International. Special emphasis is laid on its very good wear-resistant performance thanks to a solid structure made of alloy materials and a special anti-scratch surface. With up to 8 GB of memory, the drive provides significant storage space to store files, photos, music and movies, all directly accessible through a high-speed USB 2.0 interface. In addition to its resistance against water, dust, impact and shock, the device is said to break through the traditional limitations of USB design, even reportedly adding humorous elements. Through build-in encryption software, it offers many powerful functions including PC Lock, disk segmentation, e-mail receiving and sending, data compression, e-mail backup, synchronization of Favorites, auto-logins to websites, and synchronous data updating. In short, the product is said to offer a mobile, safe and a convenient platform for efficiently storing, sharing, and carrying data. The dimensions are specified as 40x16x16 mm and the available colors are red, blue and black. (Photos available)

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Hall: 015, Stand A23

### **Useful aid for inserting cables into cable ducts (35)**

The cable-threading aid produced by Hiendl in their Serpa range of organizing products for current-carrying cables is said to save time and effort. As the German exhibitors explain, cables had to be inserted into their cable bridges by hand up to now. This procedure has now become unnecessary thanks to the practical tool. The innovative cable-threading aid is claimed to make it a lot easier to insert cables into cable ducts. As is explained, the line is simply inserted into the tool's spiral winding and pulled into the cable conduit with one move like in the case of a zipper. The tool, which is made of metal, is available in two sizes to match the respective cables. In future, it will apparently be supplied as standard with every cable bridge set sold by the manufacturers, although it will remain possible to buy it separately. (Photos available)

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Hall: , Stand

### **Versatile attachment system for carrying mobiles (227)**

Multidapt is a patented attachment system developed by Krusell International and designed for personal electronic devices. By using the versatile carrying system, users are reportedly presented with a variety of attachment possibilities, which are both secure and easy to use, when carrying their portable device or attaching it in a car. The clips and swivels are all compatible with the special receiver and the components make up a system that offers a range of options on how to carry the device. The mechanism, which is incorporated in most of the company's cases, also make such carrying covers compatible with the available clips and holders for cars, bicycles, motor bikes, trouser belts, and jacket pockets. (Photos available)

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Internet: <http://www.multidapt.com>  
Hall: , Stand

### **Versatile series of portable multimedia players (159)**

A-Max describes the players it will be presenting as versatile multimedia players that support a variety of audio and video formats. These are said to include Mpeg-1, Mpeg-2, Mpeg-4, Div-X, X-Vid, WMV, MP3, Ogg, WMA and Wav. In addition, the devices incorporate an e-book reader for Txt formats, an FM radio, a photo viewer for Jpeg and BMP formats, a voice recorder in Wav format, and a game player. The devices are also designed with an SD/MMC or Micro-SD card slot for storage expansion up to 8 GB and a USB 2.0 port for high-speed connectivity. The company adds that it can also customize the style and functions to cater for different groups of consumers. Whereas the large touchscreen version makes use of the player easier, the small-screen variant is seen as cost-effective and particularly portable. Both models are deemed ideal escorts for mobile use. (Photos available)

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Hall: 021, Stand C14

**Very light ultra-mobile computing solution (335)**

Weighing only 1.9 pounds, the Ruggedbook 659 is claimed to be one of the lightest UMPC (Ultra-Mobile PC) products on the market. It comes with a seven-inch TFT LCD display with a resolution of 1,024x600 dpi (WVGA) and LED backlight, up to 1 GB of DDR2 RAM, and up to 8 GB of CF card storage. Powered by the energy-efficient VIA Nano CN-at-1GHz-Plus CPU with 1.0 to 1.3 GHz and a VX700 chipset, the Ultra-Mobile PC is also equipped with an integrated VX700 graphics engine, integrated mono speakers, an SD/MMC card slot, Wi-fi and Bluetooth connectivity, a built-in CMOS webcam, and a track-point finger-print sensor. The device has no keyboard but comes with a touch-sensitive screen. The IP53-standard front bezel makes it tough enough for hard-working professionals constantly on the road or in non-traditional working environments.

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Hall: , Stand

**Very small USB flash drive in rugged casing (367)**

The Jet Flash T5 USB flash drive from Transcend is claimed to break free from the flash drive status quo. The drive is characterized as being extremely small, yet easy to use, with a non-breakable plastic casing rugged enough to resist bending, stress, vibration, shock, and even full water submersion. The retractable USB connector and its eye-catching two-tone design are particularly highlighted. The tiny size of 29.9x15.3x6.1 mm and light weight of 2 grams enables it to be carried practically anywhere. Due to the convenient attachment loop, the device can be simply attached to a mobile phone or key chain for universal storage access. The product is available in orange/black with 2 GB of capacity, in white/black with 4 GB, and in red/black with 8 GB. (Photos available)

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Hall: 026, Stand B60

**Vibration gaming headphone with microphone (348)**

Shenzhen Laccess Technology from China will be spotlighting their new vibration gaming headphone with microphone. The device features virtual 7.1-channel surround-sound and is claimed to exhibit very good bass vibration. The product, which bears the designation LH-991F, also incorporates a USB port and an LED flash. According to further specifications on the homepage, the sensitivity is given as 110 dB plus/minus 3dB. (Photos available)

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Hall: 019, Stand F64

**Video recording camera for surveillance (60)**

Vosonic will be showcasing their new Looker GV 6300, which is billed as an affordable and easy-to-use digital video recorder with motion detector and color CMOS camera that allows the recording of real-time videos on a removable SD flash memory card. The device is claimed to be an ideal surveillance product to monitor facilities for security purposes. With its built-in screen, users can record and view the video at the same time. Continuing recording or motion-detected recording can be selected, and with the eight infrared LEDs for night vision, recording can be conducted both day and night. The resolution is specified as up to 640x480 dpi at 30 fps in Mpeg-4 compression and audio support functions also capture sounds. Videos can be recorded on a removable SD card. The manufacturers also highlight the 70-degree field of view for the camera and motion detection, the three levels of sensitivity adjustment on the motion detector, and the LED message indicator. The recorded data can be played on Windows Media Player or other software without the need for a dedicated application. (Photos available)

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Hall: 021, Stand A35

**VoIP security router and IP voice gateway (151)**

Q-Tech will be introducing a number of new products in their QVI-1100 series. The QVI-1104, for instance, is a low-cost and all-in-one VoIP security router for high performance, easy maintenance and multi-services in small and midsize enterprises. The product is described as a high-performance router, professional-level IP-Sec VPN gateway, multi-port voice gateway and multi-port L3 switch. It is said to enable powerful processing of the traffic, features IP-Sec VPN and protected data and voice transmission, and integrates SNMP and web network management. The QVI-1132 is an integrated-access IP voice gateway that provides one-port E1 relay and 48 FXO or 32 FXS. It features modular design interfaces, smart configuration and convenient network management and provides, E1 relay, FXS and FXO interfaces. (Photos available)

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Hall: 012, Stand B83

**Waterproof reverse auto-shutter camera (580)**

Sharp Vision is proud of the fact that they were the first Chinese factory with the ability to design and manufacture a waterproof rear-view auto-shutter camera. With its auto shutter, the new CW-635M can be installed on coal cars and garbage trucks without fearing fine mineral sand and dirt damage the camera. It also can be applied in harsh environments, including extremely cold areas, thanks to its automatic heating function. According to the homepage, the device features a waterproof and weather-resistant housing for outdoor use and has night vision capability as well as a day/night sensor. Again according to the homepage, the company specifies a sensing area of 5.59x4.68 mm. (Photos available)

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### **Wireless dual-mode IP camera for surveillance (376)**

The IC-7000 PTn from Edimax is a wireless 802.11n dual-mode IP camera. With the mechanical pan and tilt function and the high-resolution dual-mode image transmission in Mjpeg and Mpeg-4, camera is said to be ideal for home surveillance applications. As the manufacturers insist, the intelligent multi-area motion detection function can help to effectively monitor a home, pets or business premises. Whenever motion is detected in these areas, the camera takes a snapshot automatically and sends the pictures of the events to an e-mail or ftp server. The device uses wireless 11n technology, which reduces the dead spots and extents the coverage for deployment. The two-way audio function allows users to alert or communicate with the people on the IP camera side. In addition, the built-in SDHC and SD card slot can save the snapshot photos and the recorded video files to a SDHC or SD memory card when the network is disconnected. (Photos available)

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Hall: , Stand

### **Wireless media adapter for network integration (377)**

Edimax will be explaining the advantages of their MA-1000n wireless 802.11n media adapter. The device is simply connected to a network to enable multimedia files to be shown on TV. Reportedly compliant with UPnP and DLNA, it is seen as an ideal solution for integrating all network media devices. The adapter also allows the company's IP cameras to be monitored without using a computer. With its built-in HDMI, Component Video and Composite Video connectors, the product is claimed to fit most TVs and displays. As the exhibitors point out, when storage devices such as NAS or USB flash drives are attached, the images, audio and video files on these devices are also displayed on a TV with a few simple clicks. By combining these functions, the exhibit is billed not only as a media adapter but also as a surveillance center for home networking.

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Hall: , Stand



**Wireless optical mouse with 800 dpi optical sensor (286)**

Genius will be demonstrating the advantages of their Scroll-Too 600 wireless optical mouse. The mouse reportedly incorporates a precision optical engine and provides high cursor movement accuracy for PC operation. It is apparently suitable for either hand and no driver is required. It implements wireless 27 MHz RF digital radio technology and features an 800 dpi optical sensor for exact cursor movement tracking. According to the Taiwanese manufacturers, the mouse requires Windows Vista, XP or 2000, or Macintosh X 10.2 or later. It has USB port support and three buttons, comprising a left, right and middle button with scroll. It is powered by two AA alkaline batteries. (Photos available)

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Hall: , Stand

**Wireless oral endoscope with freeze-frame function (581)**

The new ZE-416 on exhibition at the Sharp Vision stand is a wireless oral endoscope. According to the Chinese manufacturers, a high-resolution image from a Sony HAD CCD with 0.44 megapixels is transmitted to a computer without cable. The freeze-frame function and the single/quad images function are said to greatly ease its operation. According to the homepage, the wireless dental camera offers a real-time display and saves captured images with a storage capacity of up to 28 pictures. The scope of focus is given as between 5 and 50 mm and the handset weighs 50 grams. (Photos available)

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Hall: 014, Stand H05/1

### **Wireless sensor monitoring in networks (132)**

The new sensors in the CMC-TC monitoring system from Rittal measure ambient parameters such as humidity and temperature, collect important technical data, and control access to data centers. As the exhibitors highlight the specific benefits of their system, if a sensor was needed outdoors or at an inaccessible location in the data center in the past, monitoring has not been possible at such a location. The company's computer-controlled wireless sensor network is said to provide a solution to this problem. The wireless I/O unit is seen as the core feature of the new wireless sensor network. It is cabled with the Processing Unit II (PUII), a connection that is used for the purposes of data exchange and to supply power to the wireless I/O unit. Up to four wireless I/O units can apparently be connected to one PU II. Via an antenna fixed to the housing, the I/O units collect information from up to 16 wireless sensors. There are four different sensor types available to choose from. (Photos available)

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Hall: , Stand

### **Wireless 11n solution for home and small business (374)**

The Edimax BR-6425n is a wireless 11n solution for the home and for small businesses. According to the company, thanks to advanced 802.11n MIMO technology, its wireless data transmission rate can be twelve times more than a standard 802.11b/g router, or up to 300 Mbps, and five times farther in terms of coverage. The device features a built-in twelve-language user interface and the EZ-View management system, which allows users to manage their network locally or remotely from the Internet. Any UPnP-compatible devices are automatically detected and the device information is listed in the management interface of the router. IP addresses, bandwidth control, open ports and DMZ can be automatically configured. The solution provides a hardware WPS (Wi-Fi Protected Setup) button to activate wireless protection. In addition, a multi-language setup wizard is included on the installation CD so that the router can reportedly be connected to the Internet within minutes by following simple animated steps.

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Hall: , Stand

### **Wireless 2.4 GHz media center keyboard (440)**

Chicony Electronics in Taiwan also produces a number of keyboards and keypads, from which the company will be exhibiting its wireless 2.4 GHz media center keyboard. The solution reportedly supports over 70 channels and can transmit up to 10 meters. A remote control is included in the scope of delivery. The manufacturers also single out the slim design that helps create more space. There is a built-in touchpad and the eight hotkeys provide multimedia support. (Photos available)

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Hall: 021, Stand E64

### **Wireless 3G broadband router with print server (373)**

The Edimax 3G-6200Wg is a high-speed wireless 3G broadband router with two built-in USB ports for a 3G/3.5G USB modem and printer. When such a USB modem is connected, all wired or wireless network users can then share the 3G/3.5G Internet connection. Since the device is also a print server, a printer can also be linked to enable users to share the printer through the network. The multifunction broadband router also supports automatic backups. As the company points out, when connected with XDSL/cable broadband, the router will enable this connection automatically when a 3G/3.5G Internet link is not available. A special multi-language setup wizard is included in the installation CD. Operators can reportedly set up an Internet connection within minutes by following the simple animated steps. (Photos available)

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Hall: , Stand

**Zero-watt standby technology for household devices (233)**

Ansmann, which develops batteries, charging technology and power supplies, reports it is combating unnecessary standby power consumption with a new Zero-Watt range. As is pointed out, this would not only save significant amount of money for households, but also provides major advantages for the environment. Market research is said to show that most consumers are aware of the problem with standby power. However, many electronic devices must be turned off by hand and the power supply is often out of immediate sight. The company is therefore developing products using Zero-Watt technology, which are claimed to be very easy to use and safe and also give the user complete control. A patent has apparently been applied for on this self-developed technology, which reportedly exceeds the requirements of the US Energy Star-program as well as meeting future ecological principles resolved by the EU. An additional benefit of the technology is seen in the potential increase in the lifetime of electronic devices when components are no longer under steady current. For many consumers, another important feature is the possibility of avoiding damage to electronic devices when absent from the home.

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Hall: 025, Stand D20

**1K to 3K VA online UPS devices with EPO and ECO (330)**

The Galleon 1K-3K VA online UPS reportedly supports true double-conversion and has a wide input voltage range from 110 to 300 VAC. The input power factor correction is specified as 0.98 and the output power factor as 0.8. The manufacturers also highlight the 50/60 Hz frequency converter mode, the programmable power management outlets, the emergency power-off function (EPO), and the optional eco-mode operation for saving energy (ECO). The device is said to be generator-compatible and feature charger capacity expansion to 9 A for long-run models. SNMP, USB, and RS-232 multiple communications are also integrated. (Photos available)

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Hall: , Stand

**1U 19-inch rack-mount keyboard and mouse drawer (585)**

The new KBD-106 TP is a single-rail LCD console with KVM switch designed to provide the industrial user with superior input quality and state-of-the-art features. The manufacturers also point to the rugged industrial enclosure that can assure reliable operation in very harsh environments. The product can reportedly connect to any common PS2 interface and is plug-and-play compliant. It also supports 17 different languages of the modular keyboard to facilitate maintenance and save costs. The company homepage also stresses the rugged design in heavy-duty steel, the special mechanism for easy cabling, the integration of an industrial-grade Cherry keyboard with trackball, and the key lock.

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Hall: , Stand

**120-watt medical-grade switching power adaptor (423)**

One of the medical-grade switching power adaptors on show from Fuhua Electronic will be a 120-watt model designated UE120. The adaptor has an input voltage of 100 to 240 VAC, a maximum input current said to be less than 2.0 A RMS at 90 VAC input, and a frequency from 47 to 63 Hz. The manufacturers in Hong Kong also point to the output regulation of plus/minus five percent at maximum load and the Energy Star level V efficiency of typically 88 percent at 115 V input. The output data range from 12 V and 8.33 amperes up to 48 V and 2.5 amperes. The environmental specifications mentioned by the company specify an operation temperature of 0°C to 40°C at maximum load, a storage temperature of -20°C to 80°C, and a non-condensing humidity of zero to 90 percent. Various different safety approvals are also highlighted.

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Hall: 020, Stand A53

**15-watt switching power adaptor (422)**

Fuhua Electronic will be displaying a 15 W switching power adaptor. The product, with the designation UE15 SPA3, has an input voltage of 100 to 240 VAC, a maximum input current of 500 mA, and a frequency from 50 to 60 Hz. The manufacturers also highlight the output voltage tolerance of plus/minus five percent, the low standby power of maximally 0.3 W, and the Energy Star level V (2.0) efficiency. The output data range from 9.0 V and 0.1 to 1.4 amperes up to 15.0 V and 0.1 to 1.00 amperes. As regards the environmental specifications, the company gives an operation temperature of 0°C to 40°C at maximum load, a storage temperature of -20°C to 60°C, and a non-condensing humidity of five to 95 percent. Various safety approvals are also listed.

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Hall: 020, Stand A53

**24-inch widescreen LCD for movies, games and video (508)**

Packard Bell praises its Maestro 240W monitor as being big and beautiful. With what is called the company's typical design, the display should apparently be a highlight on every desk. The device reportedly serves as a very good computer display and can entertain like a TV. With its two analog VGA connectors and the digital DVI port, it can display bright pictures from every computer, which are said to be best viewed in the resolution of 1,920x1,200 dpi. Moreover, thanks to the full HDCP support, high-definition content can be enjoyed without restrictions. The exhibitors also point to the response time of 5 ms for games and for depicting fast action. Two built-in stereo speakers provide good sound and the superior contrast ratio of 2,000:1 serves to bring the smallest details to life. (Photos available)

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Hall: , Stand

**2.5-inch SSD with up to 192 GB and mini-USB port (754)**

With the ever-growing popularity of compact notebooks and high-end portable devices, the demand for Solid State Drives (SSD) is said to be greater than ever. A-Data now offers a new SSD aimed at users seeking a fast and solid storage device. The XPG 2.5-inch SSD is billed as an innovative gadget available up to a very high capacity of 192 GB. Having both a SATA II high-speed interface and an extra built-in mini-USB 2.0 port, the drive reportedly combines the advantages of SSD and conventional hard drives, such as mobility and great convenience, in one device. Featuring a tough yet lightweight case, high reliability, low-power consumption and very good shock resistance, the devices deliver superior read and write speeds of up to 170 and 100 MB per second respectively to guarantee fast transfer rates. In addition, the built-in ECC (Error Correction Code) ensures highly reliable data transfer and helps boost system integrity. Advanced wear-leveling technology also guarantees a longer lifespan and preserves data integrity for long-term use. (Photos available)

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Hall: , Stand

**3.5-inch embedded board with C7 and Eden support (254)**

At this year's fair, Fabrimex Far East will be presenting a new 3.5-inch VIA CX700 chipset CPU module called FTW-PCSYS EBLT3 that can support both C7 and Eden CPUs. On its homepage, the company points to the compact design with rich I/O functions for panel PC, thin client terminals and automation applications. (Photos available)

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Hall: , Stand

## Business Processes

### Business Processes

#### **Access reader with powerful fingerprint sensor (632)**

The new Intus 600 FP fingerprint reader is claimed to offer all the features of the 600 model with the addition of a powerful fingerprint sensor. With a resolution of 256x360 pixels and over 500 dpi, the capacitive sensor is said to meet even the strict requirements of the Homeland Security Presidential Directive HSPD-12. In addition, it is reportedly certified according to FIPS-201 (Federal Information Processing Standard) and conforms to the NIST SP 800-76 standard (from the National Institute of Standards and Technology). The reader is described as very robust and capable of resisting electrostatic discharges up to 15 kV. For identification purposes, it stores up to 4,000 templates and up to ten fingers per person. As the manufacturers point out, this means that a special function can be assigned to each finger of a person, such as a function for an administrator finger, a threat finger for triggering a silent alarm, or a training finger. As PCS also reports, the device has been honored with an IF Design Award for outstanding product design. (Photos available)

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Hall: , Stand

#### **Advanced order management for SAP (806)**

Direct Order Control from AFI in Stuttgart allows the automated processing of customer orders from scanning to order completion in SAP by significantly extending its standard. The sales management department can thus benefit from a new level of transparency, according to the exhibitors. As is explained, all relevant data such as order amounts, customers, processing status and its history can be checked at a glance in a central order journal. All input channels can be effectively harmonized by treating orders from paper, fax, e-mail or EDI (Electronic Data Interchange) in the same way. Moreover, customer requests can easily be changed until the final order is entered in SAP, and the customer, material and sales data can be identified automatically. The automatic transformation of customer order data and the SAP master and transaction data is also supported. As a result, customer order item checks can be conducted quickly and comfortably, which in turns helps improve production planning and delivery scheduling.

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## Business Processes

Hall: , Stand

### **Advanced storage management and protection (397)**

The Sam-FS (Storage and Archive Manager - File System) software from Sun Stor-Edge, and presented by the HMK Group, provides policy-based files services and the continuous archiving of file data to appropriate storage resources to meet service levels. It reportedly enables a better utilization of the storage infrastructure, automatically creating up to four local and remote copies for effective data recovery. Since only changed data is archived, the developers maintain that enterprise-wide backups can be performed much faster than by using traditional methods, with no backup window. Users can quickly recover from application or system outage without data corruption or loss, and administrators can apparently restore the file system structure in minutes, provide fast disaster recovery to resume business operations, and better comply with regulations as to how data is managed. With the web-based management portal, support for total quotas, enhanced monitoring and diagnostics, the solution is claimed to present a powerful, easily managed and cost-effective way to archive, access and protect critical data over its full life-cycle.

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Hall: 002, Stand B35

### **Anti-rip module prevents wrongful disk copying (902)**

PT Protect is a new software module that reportedly equips the PT Publisher duplication software from Primera with a reliable and effective anti-rip solution for protecting DVD video from unauthorized duplication. As the developers explain, protection is applied to the DVD image during authoring so that when content is burned to disk, it is encapsulated within the software. The encapsulated content on the DVD is then said to be effectively protected from access by common ripping programs. The manufacturers stress that the content on the DVD is not modified in any way and, because the copy control encapsulation sits in areas of the disks not read by the DVD players, play-back quality remains unaffected. The utility is a passive solution and does not load any software program onto the PC for the protection to work. In essence, the copy-controlled optical disks are described as providing so-called speed-bump protection from unauthorized casual copying. The software is available at no extra charge to registered users and includes three free protected DVD video burns. Subsequent burns are priced in blocks and can be purchased from the exhibitors. (Photos available)

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## Business Processes

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Hall: , Stand

### **Asset and license management as online version (844)**

Adlon Software will be presenting an online version of its asset and license management solution, Miss Marple. The company thus claims to be one of the first providers of a hosted Software Asset Management (SAM) solution worldwide. The Software-as-a-Service is said to allow even small and medium-sized companies to fulfill the license agreements for the software products installed on their company computers in a simple manner. The Internet-based solution is reportedly distinguished by its simple and intuitive operation as well as its high degree of flexibility. Low initial investment and shorter project times are seen as further advantages available to users of the online solution. As is stressed, the online version will be equipped with the same extensive functions in the areas of asset management, license management, contract management and reporting now being used by customers who have purchased the Enterprise edition.

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Hall: , Stand

## Business Processes

### **Automated invoice management for SAP (805)**

AFI specializes in document management, SAP, and enterprise application integration. Their Direct Invoice Control provides automated invoice processing from scanning to payment in SAP through what the company calls a significant extension of the SAP standard. As is maintained, the solution provides full transparency to the financial department right from the mail room. The central invoice journal, invoice amounts, processing status, discount amounts, payment terms and other information can apparently be overviewed at a glance. As a result, factual checks, release, workflow control and posting of FI and MM invoices are made comfortable within SAP. According to the developers, the scanned invoices are always just a click away and purchase order and G/L accounts can be assigned with drag-and-drop. Moreover, further documents can be attached by scanning or drag-and-drop and an integrated assistant checks all entered data according to legal compliance or company rules. Releases without paper are said to accelerate business processes and can be conducted by using the SAP workflow, the external web portal, or any mobile device.

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Hall: , Stand

### **BI solution for analysis, reporting and planning (591)**

IDL Cockpit is described by the German-based specialists for consolidation and group accounting software as a powerful BI (business intelligence) solution for analysis, reporting and planning. The management cockpit is said to manifest high functionality and relevance in that it bundles worldwide information and makes it available according to individual needs. As the company points out, decisions have to be made faster day by day, markets are constantly changing, and demands are increasing. In this context, only precise figures, data and facts enable the right management decisions to be made, but this information is often stored in various operational systems, departments or subsidiaries. The solution being presented is claimed to save time, reduce costs, and enable greater efficiency throughout an enterprise. (Photos available)

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Hall: , Stand

## Business Processes

### **Browser creation of complex Share point workflows (290)**

Nintex Workflow 2007 reportedly allows complex workflow processes to be built for Microsoft Share Point quickly and easily. According to Data One, users can automate business processes, see real-time feedback from workflow activities, automate common Share Point administrative tasks, or generate rich enterprise-level reporting. Workflows can apparently be created in hours, not days, using the fully browser-based user interface. The seamless integration into the Microsoft application allows documents and information to be precisely disseminated and business processes to be efficiently streamlined and monitored. Further options include the creation and use of own Workflow Foundation activities, interaction via a Web Service API, and connection to external data via SQL, Web Services, LDAP, or XML. The built-in account provision functionalities can be implemented to automate an existing Active Directory or integrate an IT infrastructure using the program and Microsoft Biz Talk. (Photos available)

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Hall: , Stand

### **Business performance management solution (595)**

IDL draws attention to its deep understanding of requirements placed on the market and says it combines economic, methodical and technical competence in its comprehensive IDL Plus consulting approach. This is claimed to offer four building blocks under one roof, namely transparent consolidation, targeted planning, precise analysis and flexible reporting from one source. The German company maintains that customers will benefit from this concentration of highly functional software solutions and individual professional consulting just as many other medium-sized companies and international corporations do already. According to the homepage, the portfolio enables businesses to efficiently manage the current challenges of the market, align internal and external accounting, and meet the increasing requirements as regards planning accuracy. (Photos available)

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Hall: , Stand

## Business Processes

### **Business software for preparing forecasts (592)**

According to its developers, IDL Forecast has been developed to enable businesses to plan tomorrow's success today in a quick, easy and efficient manner. As the German exhibitors explain, a manager has to make far-reaching decisions every day, but the growing complexity of market relationships, the increasing time pressure and a tightening of resources make an evaluation of the chances and risks of such decisions harder. This is said to be even more the case the further an executive has to plan and think ahead into the future. The planning software that will be highlighted is claimed to make the consequences of such business decisions transparent and support forecasting work with an integrated economic planning model that is applicable across the company. (Photos available)

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Hall: , Stand

### **Business software with multilingual interface (199)**

According to MS-Consult, the multi-language feature of their Sage Office line allows employees to work with the interface of the business software in different languages. The translated user interfaces are available as an add-on package. The possibilities to work with different currencies or accounting standards such as IAS and IFRS or U.S. GAAP is said to be a major criterion for international operations. The solution targets companies in an international environment or with foreign employees. The business software consists of the modules Finance, ERP, and Production, and has fourteen multilingual interfaces. The Windows-based ERP system is based on the .Net and MS SQL Server technology.

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## Business Processes

### **Business support services from low-cost regions (512)**

DPH has launched its Business Support Services (BSS) to enable businesses to expand their operations into low-cost global domains using various enabling tools, processes, and resources. As is explained, expansion by traditional methods requires offices and production centers to be set up globally and is not an easy task for even the most resourceful companies. As a first approach, most smaller and medium-sized enterprises businesses outsource their labor-intensive work to companies operating in low-cost regions like India, where the exhibitors are based. Needs that go beyond traditional data processing services like drafting, website design, software maintenance, software testing and software development are now being offered through the company's business support services. The service functions like a virtual office and can also operate like a main office over a period of time. The offices with their various departmental resources such as human resources, system administration, purchasing and sales, are equipped according to specific needs and managed by the exhibitors. As a result, efficient expansion in India and other regions can be effectively carried out. (Photos available)

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Hall: 004, Stand F68

### **Business writing tool with document templates (1059)**

Celframe Business Solutions is claimed to be a creative writing tool to facilitate and speed up the writing of documents in businesses. The document template software aims to increase at-work productivity and efficiency and provides an assistant to help prepare letters, memos, agreements, and other documents. According to the Malaysian developers, it embraces more than 6,500 business documents, contacts and agreements, letters or proposals, and business plans in more than 1,000 categories in a standard written format. Every document is reportedly written according to ICC (International Chamber of Commerce) standards. The solution is claimed to save time, money and effort, and is available in different editions. Business Go Live 2008 provides documents for all industries, whereas HR Care and Employment Ads 2008 specifically targets human resource management across the spectrum from hiring to firing and Instant Sales and Marketing 2008 covers the operations of sales and marketing departments. (Photos available)

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## Business Processes

Hall: 012, Stand B40

### **Centralized and transparent fleet administration (346)**

FLS, which specializes in dynamic scheduling and tour planning, will be introducing Cargo, a new central database solution for industry, trade and forwarding. The program allows users to optimize and automate their entire logistics processes, from order entry, scheduling and tour optimization to freight billing and statistics. The company insists that all the relevant information is provided in a transparent way dynamically and within seconds. For multiple or single tours, full or part loads, the fastest or most cost-effective tours can apparently be calculated. All relevant variables are taken into account, such as the time frame, available vehicles or fixed appointments for the daily delivery. In addition, current tours can be monitored by connecting a GPS positioning system. Operators are automatically alerted if a tour cannot be completed on schedule or if appointments might be endangered. The information provided includes individual conditions for rented vehicles and updates on repairs, tire change and fueling data. The solution is said to avoid detours, reduce driving times, ensure optimal vehicle use, and delight customers with reliable appointments.

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Hall: , Stand

### **Compact applicators for fast container labeling (903)**

With two new label applicators, Primera Technology reports the introduction of compact, semi-automatic labeling devices that make it fast and easy to apply pressure-sensitive labels to bottles, cans, jars, tubes and many other cylindrical and tapered containers. Up to 1,200 containers per hour are said to be possible. The AP 360e is the base model and applies labels to the front of containers. The AP 362e is described as an advanced model that includes front and back labeling with variable spacing, memory for up to nine jobs, and a counter with built-in LED display. As is explained, an integrated, spring-loaded pressure arm applies consistent downward pressure to securely affix labels even on containers with very small radii such as lip balm tubes. Both units are seen as ideal accessories to the company's LX and CX series of color label printers. Together, they reportedly provide a complete print-and-apply solution that is perfect for a wide range of small to medium-sized businesses. In addition, roll or fan-fed labels printed by other methods such as flexographic, offset and thermal transfer can also be applied with the applicators. (Photos available)

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## Business Processes

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Hall: , Stand

### **Compendium of voice technology and applications (796)**

The exhibitors from Aixvox, a German consultancy concerned with the optimization of speech-based communications, ask why we have to mess around with keys and keypads to be able to communicate with a device and not simply use our voices. They then go on to introduce the Voice Compass International 2008/2009, a special compendium for the Information and Communications Technology (ICT) industry that looks at the domain of voice technology or speech applications on the telephone in close detail. As the company points out, every businessman, manager or decision-maker should be informed nowadays about the possibilities of voice applications. The book being presented reportedly provides a compact and clear account of the domain. As is maintained, basic technologies are presented with little technical information and strategies are outlined as to how a voice application can be successfully and effectively implemented. A market overview is also provided, logically divided into seven different fields, as well as an overview of relevant manufacturers across more than 70 pages. Cost estimates are also given. (Photos available)

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Hall: 004, Stand D64



## Business Processes

### **Complete line of Ethernet switches and routers (712)**

Brocade reports that it offers a comprehensive line of high-performance switching, routing, application traffic management and network-wide security solutions for enterprise and service providers. The company's newly extended portfolio of products reportedly enables network convergence and the deployment of feature-rich and secure network infrastructures to support advanced data, voice and video applications. The products reportedly provide industry-leading features, performance, reliability, and scalability for a wide range of infrastructure deployments in Enterprise and Service Provider environments. In addition, the product portfolio from the partner Foundry Networks enables converged and complete end-to-end networking solutions from the edge to the core of today's networking infrastructures. (Photos available)

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Hall: 002, Stand A10

### **Complete solutions for efficient time management (219)**

Under the name of Bürk TMS Time Management Systems, the German company has launched three new electronic systems tailored to the requirements of small and medium-sized businesses, service providers, and public institutions. The systems are reportedly suitable for all sectors, upgradeable, and adaptable to individual requirements. The terminals, which can be used as stationary or mobile units, enable automated, person- and project-related time recording in offices and practices, in production plants or workshops, or on building sites. They can also be used as mobile solutions at a customer's location, for instance in service vehicles, using a chip card or RFID transponder. The number of employees per terminal ranges from 30 to 500 depending on the model. Individual alternatives can be selected for transferring data offline or online to a laptop, to a PC, or to clients and servers in networks. All three systems are said to feature identical, easy-to-handle software, which provides an extensive range of functions through to data import into wage and salary accounting programs like Sage, Datev and Lexware. (Photos available)

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Hall: 012, Stand C06

## Business Processes

### **Comprehensive Business Process Management software (88)**

Inubit will be introducing Release 5.1 of their Inubit BPM-Suite. The latest version of the Business Process Management software is claimed to provide a host of new functionalities, including the support of BPMN 1.1, WS-Bpel 2.0 and trendsetting Web Services standards. The company points out that it thus reinforces its open and standard-compliant product approach. The first two standards are also seen as forward-looking standards with a number of advantages. As is explained, when a business process is modeled in BPMN (Business Process Modeling Notation), an executable process in WS-Bpel (Web Services Business Process Execution Language) can be derived directly from the graphical elements of the diagrams. This is praised by the exhibitors as the future of process modeling and execution. In addition, the new release also offers a continuous 64-bit support, an enhanced partner management, and the tagging of processes. (Photos available)

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Hall: , Stand

### **Comprehensive on-demand business solution (675)**

Designed specifically for midsize companies that want to grow profitably, the SAP Business By-Design solution is claimed to be the world's most complete and adaptable on-demand business offering. By providing users with transparency and control over their entire business, the solution empowers them to respond immediately to issues and opportunities. As is pointed out, the ability to adapt rapidly and cost-effectively to changing business needs means that new business requirements can be met with a minimum of time, effort, and cost. With an entirely new service model, operators can reportedly be assured of a successful deployment and predictable operations with minimal cost of ownership. The application allows users to streamline processes, improve the efficiency and effectiveness of employees, gain control and visibility over the entire business, and simplify IT by allowing SAP to manage software-as-a-service.

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## Business Processes

### **Connecting SAP and Microsoft worlds in business (503)**

Duet is a software solution jointly developed by SAP and Microsoft. As the exhibitors from Data one point out, SAP business solutions and Microsoft Office applications, including Microsoft Outlook, play a mission-critical role in many companies. As both worlds typically co-exist detachedly, information workers are forced to switch between business and desktop applications constantly. Obtaining the information they are looking for or transferring data from one world to the other is a time-consuming and error-prone process. The solution being presented reportedly connects both SAP and Microsoft worlds and makes integrated, optimized business processes become a reality for scenarios such as time management, budget control, and contract management. Key advantages are said to lie in the reduced complexity, increased transparency, real-time reaction to information, better collaboration, and more informed decision-making. Further merits are seen in the easy access through familiar applications, the higher utility from existing investments, and the simple access to business processes right from the desktop.

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Hall: , Stand

### **Consolidation technology for business management (594)**

The German software house IDL notes that entrepreneurial success also depends today on advanced and first-rate consolidation capabilities. As is explained, modern corporations are facing the challenges of globalized markets, increasing regulation dynamics, real-time reporting, separated reporting systems, high data quality, comprehensible financial statements, and parallel financial report scenarios. IDL Konsis is claimed to provide an optimal answer to this wide variety of requirements. The company's intelligent consolidation technology has apparently been developed over many years in close coordination with users and is said to be informed by considerable professional know-how in the field. (Photos available)

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Hall: , Stand

## Business Processes

### **Cost-effective touch-sensitive business solutions (657)**

The new Zealand-based company Next Window will be presenting their latest developments at the fair. The exhibitors describe themselves as leading specialists in the domain of interactive touchscreen technology. According to their homepage, they develop optical multi-touch technology and manufacture optical multi-touch screens, overlays, and OEM touch components. The new products on display are said to offer high-performance and cost-effective functionalities like point, click, and drag and drop. The displays are implemented in digital signage applications, kiosks, exhibits, retail displays, and personal computers. Specific innovations will include the Next Window 2150 optical touchscreen, the 1900 optical touch assembly, and the multi-touch Gesture Server software. (Photos available)

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### **Credit card acceptance facility for merchants (663)**

Flo2Cash.com is a provider of payment processing and recovery management software. The Payment application services, which are developed and maintained in New Zealand, enable merchants and their customers to make one-time, batch or recurring payments using a credit card or bank account by phone, IVR (Interactive Voice Response), e-mail, the web, or directly from the invoice. According to the developers, their Recovery application services allow businesses and financial institutions to manage the online portion of customer contacts, payments and redundant follow-up activities easily and affordably through multiple secure delivery and payment channels. The web-based software is an end-to-end payment and recovery solution and is said to require no infrastructure to deploy or manage. Products include Web2Pay and Phone2Pay.

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## Business Processes

### **Data processing services for various needs (509)**

The Indian data processing specialists from DPH offer data processing services based on their Tipot methodology. The company list the specific services as data entry, scanning, data processing, matching, data cleansing, data standardizations, image processing, Accounts Receivable (ACR), Accounts Payable (ACP), Invoice Processing (INV), Billing (BIL), logistics support (such as bill of lading), Payroll Processing (PAY), and marketing campaigns. As is maintained, the proprietary methodology in a SOA (Service-Oriented Architecture) allows the service providers to deliver data processing services that cater to a wide variety of customers and needs. (Photos available)

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### **Developments for the Magento e-commerce platform (689)**

Silver Touch plans to tell visitors about their development activities relating to the Magento e-commerce platform. The open-source platform is said to be versatile and flexible, with all the features an e-commerce solution requires. Apparently, it also offers freedom for development according to specific requirements, provides a shopping card with CMS, is SEO-friendly (Search Engine Optimization), and features like an auto-generated Google Sitemap or metadata for products and category pages. Services provided by the exhibitors include designing and implementation, online e-commerce store development, promotion management, and search engine optimization for the store. They also offer payment gateway and shipping API integration, custom feature development such as gift certificates or promotional marketing, multi-store capabilities, the integration of third-party web services, and support for Nav-Vision and Salesforce. Store management and backend training is also on offer.

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Hall: , Stand

## Business Processes

### **Diagram software for projects and presentations (142)**

Netronic Software will be demonstrating the advantages of their Graneda Dynamic software for end users that can create work breakdown structures, Gantt charts (bar charts illustrating a project schedule), and network charts. According to the German developers, project data from different planning systems, such as Microsoft Project or databases, can be effectively visualized, that is to say graphically displayed and edited. According to a more detailed description on the company homepage, users can continue their planning in graphical form, change the logic, node contents or dates, for example, and then store the modifications. The precision of detail and the large variety of display options is said to allow the generation of first-class charts.

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Hall: , Stand

### **Disaster recovery solution for SQL databases (218)**

Acronis Recovery for MS SQL Server is a disaster recovery solution to protect SQL databases. According to the developers, the application provides database backup technology to effectively reduce disaster recovery time. One-step recovery and Automated Recovery to Point-of-Failure are claimed to reduce downtime and assist organizations in improving their Recovery Time Objective (RTO). The Rolling Snapshot feature reportedly enables near-instantaneous recovery in cases of human error or logical data corruption. The solution is seen as complementing the company's True Image suite of disaster recovery and system migration products, which make use of patented disk-imaging technology. In combination, the systems are said to deliver comprehensive server system backup and restore capability along with full SQL database protection. (Photos available)

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## Business Processes

### **Disk array system for prison surveillance (879)**

For its application for security surveillance in the Turkish National Prison, the new Arena Janus 4540 disk array system is claimed to have established a new standard for both performance and cost and to have demonstrated a simple integration in a complicated environment. According to the exhibitors, the solution to be highlighted offers better control of hundreds of storage units, advanced configurations on each storage unit, lower costs for system maintenance, faster storage on a larger capacity system, and enough flexibility for future expansion. (Photos available)

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Hall: , Stand

### **Drastically reducing project development time (665)**

Bluewater Systems is an official ARM (Advanced RISC Machine) technology solution center providing electronic design and innovation through external research and development. The New Zealand company claims that it empowers organizations to reduce a project development time by up to seventy percent. As is explained, by accelerating a new product's time-to-market without compromising on quality, an enterprise can save money on the design process and capitalize faster on market chances. The products in this field include Snapper, whereby single-board computer modules enable the hardware, the FPGA (Field-Programmable Gate Array) and the software engineers to quickly prototype and develop fully-customized, modern electronic products. A second product, Big-Eye, is billed as a cost-effective, high-resolution digital security camera that delivers autonomous operation and intelligent platform software. It can be configured and controlled from a networked computer or can operate on a standalone basis.

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## Business Processes

### **Easily implemented, company-wide data management (593)**

One of the software modules on show from IDL in Germany will be their IDL Importer, which is characterized as a powerful data extraction, transformation and loading (ETL) tool. The software utility is said to offer an effective consolidation, planning, analysis and reporting basis by integrating all management-relevant data in one single database. As the exhibitors maintain, important business management processes include the optimal consolidation and treatment of company data, whereby increasing demands are placed on the delivery speed and quality of such data. Moreover, the required data are often stored in diverse data sources and operational systems and are not integrated in one system but have to be manually prepared. The solution offered is said to be easy to implement and use, ensure fast information access, and therefore save time and cost. (Photos available)

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### **Easy solution for employee time and access control (671)**

The CS-Time and CS-Access solution reportedly maintains strict control of employee time and attendance, access, schedules, overtime, punctuality, holidays and breaks, as well as keeping track of employment legislation. The application is linked to payroll programs and all calculations and tracking activities are made in real time through a web program. The completely self-installable software includes SQL database server connections. The Spanish exhibitors from Singular-Tech also highlight the multi-user application with the setting up of permission to allow access to the data calculations and remote monitoring in real time. The solution has been developed with .Net and XML. As is pointed out, the program is capable of ensuring that current employment legislations and conditions set out in employment agreements and contracts are met. The main advantage is seen in the ability to supervise and control data, allowing employees to be checked in an easy, comprehensible and time-saving manner. In addition, door opening can be regulated through the main or secondary reader hardware. These readers can be configured individually to control attendance and access.

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## Business Processes

### **Easy-to-use, all-in-one suite of office programs (1035)**

Celframe Office 2008 will be presented by its developers at the fair as a multi-award-winning alternative to Microsoft Office. The suite includes fifteen applications and is described as powerful yet simple to work with. It includes programs for effective spreadsheets and for presentations in HD quality, high-performance graphics tools, a photo studio application, and PDF- and XML-makers. The exhibitors insist that users can create high-quality documents quickly and efficiently. The suite is seen not only as an ideal alternative to the Microsoft offerings but also to Adobe Photoshop, Distiller, Flash and Illustrator. The all-in-one package is said to need no hardware or software upgrade, require no re-training, and be affordable as well. (Photos available)

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### **Economic time synchronization for all NTP clients (220)**

Under the designation ToE Time-over-Ethernet, Bürk Mobatime says it offers innovative solutions for the reliable feeding of external time signals as well as for the economic integration of clocks and master clocks or time distribution centers in LAN networks. In addition, all components or systems connected to a network with integrated local clocks, such as time-recording equipment, access control systems, central burglar and fire alarm systems, image and sound recording equipment, computers, system printers, scanners, self-service terminals, digital display systems, photocopiers and telephone equipment, can be synchronized to the same time with accuracy to the second. As the company points out, the most important Time-over-Ethernet system components are time servers, network clock interfaces, and NTP (Network Time Protocol) slave clocks. (Photos available)

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## Business Processes

### **EDI security with qualified electronic signatures (647)**

The Comarch EDI (Electronic Data Interchange) platform is said to be ready for international data transfer. With a particular emphasis on optimizing the interchange of electronic invoices, the company has expanded the EDI functionalities by integrating the qualified electronic signature, which provides the highest level of security. Using this facility, companies can reportedly deduct in a pre-tax manner without additionally sending paper documents. As a result, a practically fully automated and uninterrupted processing chain in the field of B-to-B can be created. According to the developers, there is no necessity of printing collective invoices or sending electronically signed invoices in PDF format. The solution is said to comply with the EU Directive 2001/115/EC and has been realized by using Eancom 2002 Syntax 4, which demands an embedded signature.

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Hall: , Stand

### **Efficient solution for consolidation and reporting (284)**

Professional Consolidation from Winterheller has been conceived to provide time-saving technical support in legal and management consolidation and reporting. The automated functions and versatile features of the software are claimed to provide a competitive edge and turn the consolidated financial statement into the central information tool for capital market operators. The data are traceable to the single entity and several data levels are available at the same time, such as the consolidated balance sheet, the balance sheets according to local GAAP or group-internal standards, or single entries of the individual entity. The exhibitors also point to the time saved through the application, with, for example, consolidation entries carried forward to the subsequent periods. Security features include individual user rights and the locking of final individual or consolidated financial statements as well as of periods. Further advantages are seen in the versatile and detailed analysis of the single entity and the group, the clear, user-friendly interface, the automated data processing, and the forecast option for the consolidated financial statement that enables scenarios and simulations.

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### **Electrically isolated RS-232 plug-in for IPCs (232)**

Noax Technologies report that they now offer an electrically isolated RS-232 plug-in module as an option for their industrial PCs. As a result, port data is transferred using a powerful data coupler instead of a direct electrical connection, which apparently ensures that data transfer is not disrupted and that the port, cable and computer are not damaged in electrically unstable environments. The new development reportedly targets industrial machine control applications and can be installed in all the company's industrial PCs with the N6 or N8 series all-in-one motherboard. According to the German exhibitors, the plug-in module can be added to an existing PC without the need for any additional slots. As is explained, the module is not an additional plug-in card, but replaces the standard port on the IPC. As all slots remain open for use, users can run applications for which all slots on the industrial PC are needed for machine interfaces and to connect additional peripheral devices. No cables are required for the installation and special plugs establish a solid connection between the port plug-in module and the all-in-one motherboard. (Photos available)

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Hall: 006, Stand C15/1

### **Electronic performance support system (573)**

The new Datango Performance suite is a brand-new software application that supports the implementation, upgrade and operation of applications of any kind. It is an enhancement of the company's Knowledge suite. Single-source-technology, learning content, software-simulations, e-learning-sequences and a navigation help for the live system are reportedly generated automatically with one mouse-click. In simulated environments, users can learn how to apply the software without being afraid of wrong entries. In the live system, the navigation leads users down to field-level through the application so that process risks and wrong entries are minimized. As a result, staff can use any application quickly and efficiently without having additional training. The practical re-recording function translates everything automatically into 40 languages. According to the developers, the suite helps realize software projects efficiently and significantly reduces the time needed for generating learning contents, material, requests for the help desk, error handlings, and delta trainings.

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## Business Processes

Internet: <http://www.datango.de>

Hall: , Stand

### **Encrypted hard drive case with smartcard shield (1006)**

The Rocsecure Rocsafe MX Mobile will be premiered as the first encrypted hard drive enclosure with smartcard protection. It employs real-time hardware encryption for protecting data on the hard drive and smartcard technology for authentication. Designed to encrypt all data on-the-fly, the solution does not require software installation and works independently of the operating system. The device features an embedded keypad that allows a PIN to be directly keyed into the unit to secure data in a SATA hard disk drive against unauthorized access. As a bump-in-the-wire device on the SATA cable, the system requires no mounting and simply plugs in between the SATA connector on the motherboard and the hard disk drive. As the Californian exhibitors stress, since encryption and decryption occurs on-the-fly in the hardware, there is no loss in disk performance, and the two-factor authentication with smartcard insertion and PIN entry verifies the user with the highest level of security. The data encryption and pre-boot authentication apparently complies with Sarbanes Oxley, Health Insurance Portability and Accountability (HIPAA), and Gramm-Leach Billey (GLB) regulations. (Photos available)

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Hall: 002, Stand B29/1

## Business Processes

### **Encryption solutions for data-at-rest security (708)**

Reportedly firmly based on industry standards, the new Brocade encryption solutions for data-at-rest provide centralized, scalable encryption services that seamlessly integrate into the company's existing Fabric OS (FOS) and M-Enterprise OS (M-EOS) environments. As is claimed, this approach enables centralized management to support nearly every aspect of the data center, from server environments and workstations to edge computing and backup environments. Consequently, it is seen as ideal to standardize and consolidate a holistic data-at-rest security strategy. In contrast to most current industry solutions, which typically cannot scale across extended enterprise storage environments, the FS8-18 solution offers fabric-based encryption as part of the exhibitor's strategic Data Center Fabric (DCF) architecture and its innovative Adaptive Networking services. The development being highlighted comprises blades, switches and expertise for SAN security audits and on-site engineers. (Photos available)

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Hall: 002, Stand A10

### **End-user data management, query and reporting tool (46)**

The exhibitors from Unify point out that databases filled with valuable information exist in organizations, but often require the tools to tap into that knowledge base. A new development called Q has been designed to enable on-demand report creation to improve a company's business IQ. The application reportedly gives organizations of any size the tools to transform data into valuable information so as to enable better decision-making and work more smartly and effectively. It apparently supplies powerful end-user data management, queries and reporting in a modern-looking application in the style of Office 2007. According to the developers, users can define a complex query with just a few mouse clicks, export the query results to CSV, XML, Excel or text files, and load the exported data into other systems or share it with colleagues and service agencies. The files can be loaded into new or existing tables and new tables can be created based on a query or fully fledged reporting. As is claimed, database independence and a modern user interface can thus be leveraged for maximum productivity and efficiency.

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Hall: , Stand

## Business Processes

### **Energy-saving servers for hosting environments (338)**

Qucom will be showcasing its new achievements in the field of energy-saving servers. The Dutch exhibitors report that, after interviewing large hosting companies, they have carried out various structural changes in server design and have developed Ecoserver out-of-the-box. As is pointed out, many publications highlight the urgency of high-efficiency data centers, green energy, space reduction, the reduction of power consumption, and other kinds of initiatives to achieve a greater efficiency of the data center infrastructure. Indeed, last year's fair was full of green booths with energy-saving products for the infrastructure of data centers. The manufacturers insist that it is better to install servers in hosting environments from the outset that use less power and manifest an excellent performance per used ampere. The type of product on show is 19-inch ready, uses mini-ITX boards, and deploys one or two 2.5-inch hard disks per server to increase availability. A model has apparently been introduced late last year that implements the Intel Atom CPU using only 4 watts. The advantages of the Ecoserver Proactive Server Management (EPSM) interface will also be explained. (Photos available)

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### **Enhanced version of integrated e-commerce suite (502)**

According to Intershop Communications, Enfinity Suite 6.3 concentrates on improvements within the technical and administrative range. Apart from the standardization of the product life-cycle, the administration surface has been redesigned and equipped with quick access menus. Possibilities of internationalization have apparently been improved, which means that texts can be put down in dictionaries to be administered. A framework has been integrated for payments, which facilitates and accelerates the integration. Moreover, the URL rewriting has been improved within the field of online marketing functionalities, which means that the traceability in search engines could be significantly improved. In connection with sitemaps, the search accuracy and traceability through search engines has also been enhanced. This is said to mean that if the shop is moved, the ranking reservation can be transferred to another domain. Through the feed engine, it is possible to place the products of a shop systematically in up to 40 product search engines.

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## Business Processes

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### **Enterprise project management with cost control (145)**

Planta Projektmanagement-Systeme report that their PPMS enterprise project management suite has been systematically further developed during 2008. As is explained, the integration of PPPM Portfolio Management, PPMS Project Management and PPSA Professional Services Automation has been enhanced and cost management functionality has been extended. New and improved features are said to include the standardization of the various budget planning modules, simplified interfacing with ERP systems, improved reporting and analysis for portfolio development and comparison, and the expansion of budget, cost planning and chance management. For every type of company-wide project management, the application reportedly offers management of all projects from the idea to archive, a flexible standard software, and easy customizing for speedy integration of individual business processes. The German developers also point to the coordination of resources, schedules and costs over all projects, the reduced planning effort as a result, and the quick decision-making with the help of the resource loading diagrams.

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Hall: , Stand

## Business Processes

### **Extended Access Control for e-passports (600)**

Keynectis will be highlighting Sequoia, a powerful, modular infrastructure for managing digital certificates. As is explained, to provide access control electronically at border control points, different authentication protocols have been defined, depending on the sensitivity of the related data, namely Basic Access Control (BAC) and Extended Access Control (EAC). The inclusion of biometric data in the latter implies that a mutual authentication scheme is implemented, which is based on a Keynectis PKI architecture. In this protocol, both entities, the e-passport and the Inspection System (IS) authenticate each other by using respective public keys and certificates. Due to the limited capacity of the RF-chip on the passport, a standard X.509v3 certificate cannot be used, but is replaced by a special Card Verifiable (CV) certificate complying with ISO 7816 standards. The exhibitors reportedly provide technology to electronic passport system integrators for the provision of a CVCA (Country verifying Certification Authority) PKI in platform mode that signs the certificates of the Document Verifier CA and the provision of a Document Verifier (DV) that signs the certificates for the IS.

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Hall: 006, Stand F26

### **Fast creation of individual workflow activities (289)**

For advanced users who want to create individual workflow activities for Microsoft Share Point and Nintex Workflow 2007 quickly, Data One says it offers a unique tool in the form of Data One Power Activity. As is explained, the Windows Power Shell command line shell and scripting language is said to help IT professionals achieve greater control and productivity. Using a new admin-focused scripting language, more than 130 standard command line tools and consistent syntax and utilities, this facility allows professionals to control system administration more easily and accelerate automation. The tool on exhibition reportedly enables the seamless integration of arbitrary Power Shell scripts within Nintex Workflow and offers functionalities to integrate Power Shell and Share Point development. The program is seen as ideal for rapid development, prototypes, proof-of-concept studies, and agile Share Point development.

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Hall: , Stand



### **Fast solution for finding partner companies (344)**

Visi-Tour Locator is described as a comfortable solution for conducting fast and precise proximity searches. According to the developers at FLS, users simply define the location of the search and the software will find all relevant partners within a specified radius within seconds. As soon as an order is entered, the program automatically verifies the addresses. It is also possible to check the customer base at the same time. In order to determine the exact location of a customer in any situation, it is also possible to enter regular addresses as well as landmarks such as highway milestones, exits or gas stations. According to freely definable priorities, various nearby companies can also be searched for, for example the closest towing service, the cheapest rental car company, or a suitable lawyer. The new product is described as a true client-server solution. It is not necessary to install it at the workplace since it can also be accessed via the Internet. Moreover, the Oracle database system not only facilitates fast and easy data import, but also guarantees high performance and data security even with large quantities of data.

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Hall: , Stand

### **Fiber-channel to PCI-Express host bus adapters (709)**

As part of the company's strategic DCF (Data Center Fabric) architecture, the new Brocade single-port 815 and dual-port 825 fiber-channel to PCI-Express (PCIe) host bus adapters (HBAs) with 8 Gbps will be presented. As is explained, such adapters lay the foundation for extending fabric intelligence to servers, virtual machines, applications, and services-enabling end-to-end storage network management. This approach is said to enable tighter integration across the enterprise, including both physical and virtual networks. By installing the devices, organizations apparently have the basis to leverage N-Port ID Virtualization (NPIV) and maintain Quality-of-Service (QoS) from the virtual port throughout the fabric. Moreover, in order to reduce the administrative workload, they can automate the SAN boot process so as to quickly deploy diskless servers and operating systems. (Photos available)

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## Business Processes

### **File management solutions reduce storage costs (710)**

Brocade Communications will be explaining the advantages of their new file management solutions, which are claimed to consolidate access to file data and simplify the availability and recovery of such data. This is seen as helping organizations optimize their data assets and reduce their overall storage costs. The solutions are said to assist IT organizations in addressing certain business challenges, which are specified as managing growth in distributed storage environments, increasing utilization of distributed storage, reducing data management complexity, sustaining high availability for distributed storage, and optimizing the lifecycle costs of enterprise data. As the German developers reiterate, the optimization of server and storage assets coupled with the enhancement of operational flexibility should result in significant overall cost reductions for storage. (Photos available)

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### **Flexible audio language courses (843)**

The audio language courses from Digital Publishing are billed as an easy and flexible way to study languages. During a bilingual dialog with the personal language teacher, the user can learn useful vocabulary and expressions by listening and repeating, while on the way to work, while jogging or while relaxing. For those who prefer to listen only to the language they want to learn, the company offers a combination of enjoying literature and training a new language while listening to interactive audio books. With the Fernweh (wanderlust) range, they can also depart on an acoustical language journey to exciting places throughout the world. All these packages are available in German, English, Spanish, French, and Italian. The series of audio books contains popular titles written by Cecelia Ahern, Eric-Emmanuel Schmitt, Javier Marias, or Isabel Allende. The Grooves is a further series that combines good music with the entertainment of an audio book, using catchy tunes to make the learner remember new words and expressions more easily. The series contains beginner courses in English, Spanish, French, Italian, Chinese, Turkish, or Russian. (Photos available)

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## Business Processes

Hall: 006, Stand B32

### **Full-featured face-up book scanner (609)**

The E-Scan on show from I2S DigiBook is a compact and standalone scanning station for public use, specially adapted for use in university libraries, archives, private companies, or copy centers. The solution reportedly allows users to obtain easy scans of bound documents or books up to the A3++ format. Self-service scanning is said to become very simple in that the scan is downloaded to the network or directly to a USB key. With an intuitive and user-friendly interface, the scanner is equipped with a 15-inch touchscreen that is claimed to allow the scanning of pages in seconds. It offers comfort and speed thanks to complete automatic adjustment of aspects like crop, auto-focus, exposure time, and white balance. Apart from the automatic settings and the quick scanning, the exhibitors highlight the friendly design, the book cradle option for more comfort, the real-time preview, the robust construction, the tracking and copyright management, and the RFID reader option to identify the document. (Photos available)

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Hall: , Stand

### **Gantt chart component for Windows platforms (106)**

Netronic develops diagram software for use in planning and control environments. The company's Varchart X-Gantt and its editions Active-X, .Net and Asp.Net are said to offer users top-quality software components that allow them to easily integrate interactive Gantt charts (bar charts illustrating a project schedule) into an application. As the developers explain on their homepage, Gantt charts allow people to display the chronology of tasks and to plan the capacity of resources. Due to their graphical visualization, interrelations and deviations become obvious at a glance. The time-consuming programming of graphical charts can apparently be avoided by using the large variety of visualization options available in the application.

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Hall: , Stand

## Business Processes

### **Gateway for CTI integration in Microsoft OCS (608)**

According to Servotronic, the application of Microsoft OCS (Office Communications Server) and the use of the Microsoft Office Communicator as a CTI (Computer Telephony Integration) client require a PBX (Public Branch Exchange) with the CTI interface UA-CSTA. Apparently, all the other PBX devices need a gateway that establishes effective communication between the PBX, Microsoft OCS, and the CTI functionality of the Office Communicator. With its new OCS gateway, the company claims to provide for full communication between Microsoft OCS on the one hand, which supports the UA-CSTA protocol, and VoIP, hybrid and conventional PBX systems on the other hand, which normally use the CSTA/TSP protocol. The gateway reportedly allows control of the telephones connected to the PBX with the Microsoft Office Communicator. According to the German exhibitors, the server-based call control gateway is suitable for application in homogeneous and heterogeneous PBX-4 environments and for almost any common PBX.

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Hall: , Stand

### **GPS guidance and placement mapping for farms (660)**

TracMap provides a complete agricultural and horticultural GPS guidance and proof-of-placement mapping package for vehicles operating in demanding outdoor environments. Designed and manufactured in New Zealand, the units are said to provide high-performance guidance, with the ability to automatically provide proof-of-placement mapping in one package. The built-in cellular modem option also allows electronic tracking and reporting. Variations of the company's system are apparently being used in aviation and mounted on farm motorbikes to achieve an accurate shifting of irrigation sprinklers. Products on show will be a Linux-based mobile data terminal, the TM 400 MDT, TM 444, and TM 445.

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## Business Processes

### **High-capacity SD to SSD adapter (626)**

The new Photofast CR-9200 on show by Maxxxware Trading is an SD(HC) (Secure Digital High-Capacity) to 2.5-inch SSD (Solid-State Drive) adapter. The SS2 SSD adaptor provides eight SD(HC) slots to build a self-made SSD. Each slot reportedly supports up to 32 GB, which means that a maximum capacity of 256 GB is possible. In addition, the adapter has an onboard cache of 1 GB to enable a fast random write access. According to the homepage, the device is indispensable when SSD speed is required but a large-scale SSD drive is too expensive. (Photos available)

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Hall: 002, Stand F29

### **High-level data center and IT process management (606)**

The German IT systems house Hönigsberg and Düvel Datentechnik will be introducing their main concerns and developments at the fair. Under the Microsoft System Center heading, the company will be explaining the implementation of IT infrastructure solutions to manage data centers and IT processes at the highest level with System Center technology. The System Technology and Research Team (Start) is recommended as TAP (Trainer Assessment Program) partner in these endeavors. As the exhibitors explain, their first goal is the usage of the service manager module to create a logical platform. Customers are offered the chance to display, monitor, administrate and configure their complete IT infrastructure. The module is seen as an ideal tool to implement processes based on Best Practice and on ITIL (IT Infrastructure Library) principles, a set of documented best practices for IT Service Management. Another highlight at the stand will be their version of the Windows Bit-Locker Drive Encryption system management tool, which is said to be manageable in a centrally managed AD (Active Directory) environment.

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Hall: , Stand

## Business Processes

### **High-speed quad-slot micro-SDHC-to-CF adapter (629)**

Photofast CR-7200 is a newly developed, very high-speed quad-slot micro-SDHC (Secure Digital High-Capacity) to CF (Compact Flash) adapter. The device reportedly offers a very fast read performance up to 80 MBps and a write performance of 40 MBps, depending on the number and speed of the cards used. As is pointed out, up to four such SDHC cards can be deployed. Each slot supports up to 32 GB, which allows a maximum capacity of 128 GB. (Photos available)

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### **HMI-hosted monitoring and management service (662)**

Cortexo in New Zealand provides a real-time monitoring service through its fully hosted Live-HMI (Human-Machine Interface) software application, which, as the company homepage puts it, enables users to concentrate on their plant and machinery and not on the information technology solution. The PCG Server Remote Monitoring and Management solution is a HMI application that allows the users to monitor and control plant and equipment from anywhere in the world over the Internet using any standard web browser. According to the developers, the system captures, analyzes and converts machine data into useable information. Further information on the website explains that there are a number of modules within the server that provide functionality to the core server. For more complex systems, multiple servers can be cascaded together to provide a central hierarchal view of all corporate monitoring systems and plants.

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## Business Processes

### **Holistic view of business performance (664)**

Leveraging the powerful capabilities of the patented analytical OLAP (On-line Analytical Processing) engine, Terasolve, the range of software solutions provided by Information Edge in New Zealand is said to give insight into an organization's current performance by acquiring data from multiple source systems and providing a holistic view of the enterprise. This is claimed to lead to more informed decision-making and allow organizations to react rapidly to ever-changing internal and external operating conditions. The Pulse product on exhibition is described as a new solution for small to medium-sized businesses that gives business directors quick and reliable access to key information about their business in one place in an easily interpreted format.

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### **Independent quality monitoring services (510)**

DPH in India says it provides independent quality monitoring services (IQMS) for data processing work that is done in-house or outsourced. According to the company, the monitoring of data quality and service quality is an important task that is best done in-house when the volumes are low. However, with increased data volumes, quality monitoring has become an expensive process in itself. The exhibitors allow their customers to utilize their IQMS to gain greater control on the quality of data processing activities being carried. The clients are said to benefit from an increased accuracy and quality of critical data in systems. Using various quality control methodologies combined with applications customized to client needs, the methods deployed are reportedly capable of ensuring optimal data quality. Those buying processed information from data and information vendors can apparently use the services as well to ensure that the data procured meets their specifications and standards. (Photos available)

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## Business Processes

### **Individual, web-based view over ERP processes (43)**

Abas will be explaining the benefits of their new IT dashboards to provide tailor-made information on a daily basis. As the business software provider points out, ERP users have to handle a considerable amount of data. The Abas Portal now supports them by providing new data preparation options. As is explained, the information and the data are allocated and visualized in a task-related manner. The so-called dashboards, also called key figure information systems, are included in the portal and said to be easily configurable. They are based on current financial figures so that decisions can be made based on up-to-date information. The financial numbers are apparently displayed in an intuitively perceptible display format. In this way, the dashboards are seen as a great support for corporate management. The information can be provided internally and externally through the portal's web service. The programming language, Groovy, makes it possible to execute complex queries. For simple queries, the information is compiled through a browser-based method.

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### **In-service education policy for future managers (867)**

The Hamburg-based Otto Group and Leuphana University in Lüneburg report that they plan to collaborate on training the next generation of managers. Representatives of the two partners have apparently signed a cooperation agreement to that end in July with the aim of providing in-service academic education for the group's future executives. This is said to close the gap between general study courses at public universities, further-training seminar courses, and in-house staff development measures. The collaboration reportedly involves endowing a chair in the field of strategic management and setting up a new MBA course aimed solely at the young managers of the trading and service group. The various companies involved in the cooperation with the university are specified as Otto, Hermes Logistics Group, Hermes Warehousing Solutions, and the EOS Group.

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## Business Processes

### **Integrated business service management (76)**

According to MIT Solutions, their Echolon suite provides an integrated service management solution that covers both internal process requirements and external customer support. As standard software out-of-the-box, it can apparently be up-and-running in a short time. Specific requirements and straightforward customization can also be implemented. According to the German developers, the user-friendly, dynamic interface and the templates adapt automatically to the relevant line of business. All relevant business processes are said to be supported, from an individual helpdesk and the mapping of standardized IT Service Management (ITSM) processes via the IT Infrastructure Library (ITIL) framework to CRM and project management. The application can be accessed through Windows as well as via the Internet. The exhibitors also highlight the high level of integration. Thanks to state-of-the-art development technology, the solution can apparently be integrated quickly and easily into heterogeneous IT infrastructures. To meet specific requirements, an extensive array of add-ons and plug-ins is also available.

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Hall: , Stand

### **Integrated CRM for service providers and industry (886)**

The Weilgut CRM Suite is a complete CRM (Customer Relationship Management) solution for service providers and industrial companies. Fully integrated into IBM Lotus Notes and with its core module E-Office 6.1, the software offers corporate-wide customer management, central customer data management, optimized distribution and service controlling, resource planning, and team-working. Service providers and project-oriented industries should benefit in particular from the integrated campaign and project management application using mind maps and Gantt charts as user interfaces. The developers highlight the lead and opportunity management, the central address management with mass mailing, and the management of documents, e-mails, faxes, the in-box and documents. The system also manages group meetings and resources, campaigns, events and seminars, and schedules and tasks. Cost logging, bidding, telemarketing, the helpdesk and the technical field system are also covered by the application, as is the integration of Office and Internet activities. Moreover, a personalized graphical user interface reportedly gives all users their individually required view of centrally managed data.

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## Business Processes

Internet: <http://www.weilgut.de>

Hall: 002, Stand F20

### **Intelligent organizational charting technology (804)**

Org-Plus Enterprise On-Demand is characterized as a robust workforce visualization and modeling application for one thousand to a million or more employees. The solution provides facilities such as workforce visualization, workforce planning and analysis, and modeling. As is explained, users can access their organizational charts anytime and anywhere via the Internet using only a web browser. The solution can be used as a standalone application or can be integrated into an existing portal or intranet. The developers claim that companies can increase productivity and save money with up-to-date corporate directories. Moreover, the view into the enterprise can be enhanced with advanced features such as conditional formatting and formulas. In addition, SSL technology protects company information using both server authentication and data encryption. A secure server environment makes use of a firewall and other advanced technologies to prevent unauthorized access.

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Hall: 006, Stand B10

### **Interactive language trip with virtual classroom (842)**

The Interactive Language Tour from Digital Publishing is a comprehensive course system that teaches a language with the aim of achieving fluency in listening, speaking, grammar, comprehension, reading and writing skills. In July 2008, it has reportedly been awarded the Worlddidac award, the world's most important prize within the education sector. According to the German developers in Munich, the latest Version 12 of the solution combines all advantages of individual computer-based studying with additional live courses online. The company says it has invented classroom software that allows the learner to meet a real language trainer and other learners within the Virtual Classroom. Via webcam, microphone and chat, users can interact and study with each other. Courses are held weekly in English, Spanish, French, Italian and German and can be booked freely over the Internet. (Photos available)

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## Business Processes

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Hall: 006, Stand B32

### **Intuitive shop solution for B2B and B2C (603)**

FIS E-Sales is described as an efficient shop solution for distribution via the Internet. It is seen as suitable both for transactions in the business area (B2B) and in the consumer area (B2C). The platform has reportedly been developed on the basis of modern technologies. Communication with the SAP OLTP (Online Transaction Processing) system is supported by pre-configured communication functions for offer and order processing. Creation and update functions, including filter functions for restricting the data volume, are available for the exchange of master data from the OLTP system to the application. The developers draw particular attention to the system stability of their solution.

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Hall: , Stand

### **Inventory metering engine for Oracle environments (690)**

Lime for Oracle is billed as a software license audit tool for Oracle environments. The utility allows users to see what Oracle software is installed and being used. According to the Indian exhibitors, it has been designed to help save a company's time and money as regards Oracle licensing. The development is a Java-based application that interrogates an Oracle environment to collect specific data. This is listed as the installed applications, the database and application server, user metering information and the number of logins, application metering information, the number and type of CPUs, the operating system, and the hardware configuration.

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Hall: , Stand

## Business Processes

### **IT services for system support and maintenance (847)**

In order to help develop the maximum capacity of a business, Planet Soft in Poland recommends its services revolving around custom software development and the support and maintenance of existing systems. As the company points out, with an increasing level of demands, enterprises worldwide are finding it difficult to implement and support new applications while at the same time maintaining and upgrading their existing systems. To master this challenge, companies have to expand development capacity, accelerate time-to-market, and build flexible distributed delivery models. The exhibitors report that they work with talented and experienced professionals who can incorporate past experience and future requirements to find appropriate solutions that fit the needs of both the customer and the client.

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### **Java Gantt component for application integration (141)**

The Varchart J-Gantt component from Netronic Software is said to offer a top-quality Java Beans and JSF software element that enables an easy integration of interactive Gantt charts into an application. By taking advantage of the large variety of visualization options in the application, users can reportedly avoid the time-consuming programming of graphical charts. As the company explains on its homepage, Gantt charts display events, activities and their allocations over time, and are commonly used in project planning, production control and resource management. According to further details there, whereas the Basic module provides all necessary Gantt functions for viewing, the Data Editing module provides all functions for the editing of application data and the Histogram module provides all the functions required to show resource-loading histograms.

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## Business Processes

### **Joint venture optimizes item sales forecasts (869)**

The Otto Group and Phi-T Physics Information Technologies in Karlsruhe have founded a joint venture called Phi-T Products and Services. The aim of the cooperation is said to be an exclusive use in the sector of the Neurobayes technology from Prof. Feindt based on artificial neuronal networks to optimize item sales forecasts within the trading group. Through the co-operation, the German mail-order giant sees access to the most up-to-date scientific insights and methods in the area of data mining. As is pointed out, home shopping retail activities are currently characterized by increasing complexity as regards the variety of offers, the increasing online business, and unknown interactions between the individual sales channels. Traditional forecasting methods are therefore considered insufficient. In this context, the use of the new technology is claimed to open up significant economic potential. For instance, thanks to more precise item sales forecasts, the availability of goods in demand can be optimized, their delivery can be optimized, and surplus volumes can be avoided.

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### **Language training solution for universities (840)**

Europe's largest online language school CLT (Corporate Language Training), which has been developed by Digital Publishing, is now offering a solution focused on the needs of universities, the so-called Campus Language Training. The solution is said to offer an appealing user-friendly flat rate as well as an individually designed log-in portal and is seen as providing the perfect addition to classic language-courses taught on campus. An easy-to-use software implementation and award-winning content are described as the keys to a successful online-language school. As the German exhibitors explain, all students have the possibility to study online and in a mobile manner on any PC or notebook at home, at university, or in an Internet café wherever and whenever they want. All the courses and supplementary materials are reportedly based on Europe's most successful language learning system and can be booked in a central learning management system via Internet or intranet. University faculty staff and students are provided extensive training in English, Spanish, French, Italian, and German. (Photos available)

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## Business Processes

### **Long-range laser barcode scanners (383)**

Riotec will be exhibiting a number of new long-range laser barcode scanners at the fair. The LS 6000 series is billed as an advanced, durable, ergonomically designed and high-performance long-range laser scanner that offers a fast, accurate and cost-effective alternative to traditional laser barcode scanners. With the company's laser engine, the lack of moving parts inside is said to give the scanner a longer lifetime. The manufacturers highlight the soft, fixed, expanding laser light that is easy to aim at the barcode. The long depth of field is up to 600 mm in the 40 mils Code-39 barcode. A durable rubber-over molding protection apparently makes the devices in the series powerful tools in harsh environments. An auto-sensing function and a hands-free stand are optional in the LS 6020 model. The wireless LS 6000Z/LS 6000B variant provides added flexibility to scan barcodes without space limitations. The exhibitors see a wide variety of applications for their products. (Photos available)

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Hall: , Stand

### **Long-range TTL-signal laser barcode engines (384)**

Riotec in Taiwan will be explaining the merits of their new long-range TTL-signal laser barcode engines. The LR 2000 series is described as a range of advanced, high-resolution and high-performance engines that combine soft, fixed, expanding laser light and a linear sensors array. Since there are no moving parts inside, the devices are said to be more durable and shock-resistant than traditional laser engines. In addition, they reportedly have a longer lifetime and are more reliable. According to the manufacturers, the LR 2000T model delivers a fast and accurate scan with 100 scans per second. It features a long depth of field of up to 630 mm in 40 mils Code-39 barcodes. An eight-pin FPC (Flexible Printed Circuit) connector is used for the connection. The LR 2100 and LR 2100R variants are engines with decoders inside and twelve-pin FPC connectors. The company homepage specifies a light level of 80,000 lux for the first model and 36,000 lux for the latter two models.

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## Business Processes

### **Low-cost CRM software for small and midsize firms (1057)**

Celframe CRM is billed as a low-cost alternative to Microsoft Dynamics and SAP Business One. The Customer Relationship Management software has apparently been mainly developed for small and medium-sized businesses. According to the Malaysian exhibitors, it has been built using proven, fast, and reliable WAMP (Windows, Apache, My-SQL, and PHP) technologies. The solution is said to provide end users with many enterprise features, such as sales force automation, customer support and service, marketing automation, and inventory management. It also features multiple database support and enables security management, product customization, and calendaring. E-mail integration is also incorporated and there are various add-ons. (Photos available)

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### **Low-cost solution for editing XML documents (893)**

Edixs from Tooldriver Software is described as a new low-cost solution for particularly efficient and error-free editing of XML documents. The software is based on a very clear tabular view of XML data content without the distracting structure elements. Additional functions help boost the clarity even further. For example, with the innovative Child in Row function, users can view all the child data content in one row. Less important data can be simply hidden. As the developers stress, the time-consuming and error-prone input of XML structure elements by hand is no longer needed as it is carried out by the software. As is explained, the solution analyzes the XML document structure and shows it in a clear tabular form that is separate from the content. This view apparently makes it very simple to rework the document structure with impact on the entire content in a single step. The fault-tolerant programming enables users to read, edit and correct many erroneous XML documents, eliminating the need for tedious trial and error. The application is available as shareware with a low price per license. (Photos available)

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## Business Processes

### **Mail-order retailer starts IPTV in Hong Kong (870)**

The Otto Group reports its entrance in the IPTV business via its subsidiary Otto Japan together with PCCW Media Limited, Hong Kong's largest telecommunications supplier. Since December 2008, Otto Japan's product range is now available via Now TV, the largest Internet TV supplier worldwide. The exhibitors can therefore market their products via digital Internet TV for the first time. Entering the Hong Kong market is said to be a strategic decision, with 50 percent of all households there already having access to IPTV television programs. The Japanese subsidiary claims to be one of the leading multi-channel retailers in high-quality fashion and exclusive lifestyle products in Japan. The clothing range, which is sold under the label Dress Your Life, is being offered exclusively for the first time in Hong Kong. The results of preliminary market analyses are said to be very promising. The company's many years of expertise as a mail-order retailer, combined with the partner's local knowledge, are seen as top pre-conditions for successful operation in the Asian metropolis.

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### **Making DVD video disks protected from duplication (684)**

The BPRO II is a new DVD video protection duplicator. The integrated Video Lock system, which is described as a proprietary technology breakthrough for DVD duplicators, creates protected DVD video disks through normal operation from a duplicator. According to the manufacturers in Taiwan, there is no need for a PC or any special disk, and neither copying speed nor ease of operation is sacrificed. Two important factors in DVD video protection are apparently achieved, namely playback compatibility and protection capability. The company claims an almost 99-percent playback compatibility and protection from both DVD duplicator and PC. (Photos available)

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## Business Processes

### **Material and price management for SAP ERP (605)**

One of the applications presented by FIS Information Systems and Consulting will be their FIS MPM, an add-on to SAP ERP or the SAP retail system, with which master data can apparently be created and maintained quickly and with small effort. MPM stands for Material and Price Management and the product is said to be completely integrated in the SAP environment. The components aim to provide a comfortable processing option for article master data and prices. These components comprise Datanorm, BME-cat inbound (including e-class), BME-cat outbound, an article master maintenance tool, a conditions maintenance tool, an element for the fast entry of articles, and a data transfer tool.

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### **Middleware for application integration (200)**

Smart Xchange is a software solution that offers users the chance to automate business processes and integrate different applications to make information consistently available. For the applications Sage Office Line Business and Sage CRM, predefined adapters are available. The design of the software has apparently been influenced by aspects such as high performance, use of stable base technologies, good functionality, easy integration into modern ERP systems, and support for business objects with a high degree of flexibility. The result is billed as a feature-rich in Microsoft Office-based middleware solution. It is said to offer more options than just integrating ERP and CRM. The basic solution reportedly covers the main functions of integration. The functionalities can then be extended or other systems easily connected.

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## Business Processes

### **Mind maps and project management for Lotus Notes (885)**

According to Weilgut, the combination of mind map methodology, project management and IBM Lotus Notes in their Mind Plan solution is a unique development. The mixture reportedly turns it into a high-performing tool for the daily planning and controlling of workflows, processes, dates, and resources. For example, users can express and firm up their ideas, rapidly structure projects, and plan activities and their sequencing. They can also define milestones and dates, manage resources and meetings, organize information centrally, and track project progress. With a mind map as graphical user interface, ideas and information can be structured and visualized very easily and quickly, either alone or in real or virtual teamwork. As is explained, tasks, times and resources are planned comfortably in the Gantt editor by simply dragging bars and links with the mouse. Sophisticated analyses help track activity progress or the cost and resource situation. Besides a fully integrated version for IBM Lotus Notes 8 (composite application), the solution is also available in a standalone version for IBM Lotus Notes 6.x and higher.

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### **Multi-touch-ready application software framework (658)**

Fingertapps in New Zealand provides software to develop multi-touch applications. The platform on show reportedly presents web content, videos and images, 3D technologies and video content with natural touchscreen gestures. The framework is said to include a runtime engine, touch-enabled user-interface (UI) components such as an embedded web browser, photo browsing and video playback, and pre-built interaction templates that speed up multi-touch and gesture-based UI development. More detailed information on the website reveals that the software platform understands multi-touch, is easy to use, supports a wide range of operating systems, and can run on a variety of hardware platforms.

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## Business Processes

### **Multi-user software for export and shipping (686)**

Eva 6.1 is multi-user software for export and shipping from Anton that prints all customs and shipping documents, labels and statistics for Germany, the European Union, and third countries. The solution supports data transfer from PPS and ERP systems and integrates generators for data structure, user interfaces, and documents. Barcode labels for all parcel services and forwarders can be generated. The developers also draw attention to the Atlas compliance, the calculation of freight charges, and the credit note management for forwarders. Mobile data collection, the calculation of preferences and supplier declarations are also supported.

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### **Network and service management platform (648)**

The IT Management solution from Comarch Software in Dresden provides functionalities for the management and monitoring of IT infrastructures. It is based on the company's network and service management platform, which has reportedly been tested by numerous implementations in demanding telecommunication environments. This longstanding experience is said to result in a robust solution that meets the requirements of large and medium-sized enterprises for the independent management of their networks. According to the company, the solution offers network monitoring, auto-discovery and CMDB (Configuration Management Database) functionalities, SLA (Service-Level Agreement) management, reporting, and an ITIL-based (Information Technology Infrastructure Library) processing environment. According to the homepage, the product is unique on the crowded market of IT management systems since it can grow through the integration of new modules and functions if needed, meaning customers need not worry about the requirement of migration when simple and open source software touches limits of functionality and performance.

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## Business Processes

### **Network Operation Center for managed IT services (363)**

Silver NOC is described by Silver Touch Technologies as a state-of-the-art Network Operation Center as part of its managed IT services. The company thus offers remote infrastructure management services and targets companies with large network setups, such as hosting service providers, value-added resellers, and system integrators. The services matrix of the center provides L1, L2 and L3 remote support via voice and e-mail, as well as helpdesk management, network management, capacity planning, security auditing, data management, disaster recovery planning, IT consulting on scalability planning, and application management. The solution works completely through remote management, which is said to mean that clients can save on existing support expenses to up to 30 percent. Clients can therefore focus on their core business. Since no large capital investment is required, a faster ROI for the infrastructure management costs can be achieved.

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### **Next-generation, SOA-based ERP solution (154)**

Epicor 9 is described as a new Enterprise Resource Planning solution for the manufacturing and distribution industries. According to the American developers, the software incorporates their existing SOA-based business functionality into a next-generation enterprise application footprint, along with many new features not currently found in any of their solutions. Brought together via the company's unifying Epicor True SOA Service-Oriented Architecture, it reportedly masses the collective concepts, experience, design and features from many products and development teams around the world into a single super-set solution that is tailored to the customer's industry and ready for business in the countries in which he operates. The exhibitors point out that their comprehensive, industry-specific, next-generation enterprise applications are backed by over twenty years of experience and are designed to satisfy all kinds of functional expectations for a broad spectrum of industries.

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## Business Processes

### **Offshore development center for software companies (362)**

Silver ODC is an offshore development center for software product companies and independent software vendors. As part of their business process outsourcing services, Silver Touch has set up a comprehensive service matrix extending from the beginning of software product conceptualization to after-sales support via voice and e-mail. The center offers infrastructure setup and support, scalability planning, and consulting. It also covers strategic human resource planning, recruitment, bench policy, and training and training planning. Communication facilities and marketing support such as mail campaign design and mail blasts, and project management services are also included. The solution is designed to help software companies obtain benefits like cost savings of 30 to 40 percent over existing onshore software development. As is stressed, there is no time zone difference in the working hours of the outsourcing team. The exhibitors ensure full compliance with the processes and policies of the client company. Faster product development and improved sales are claimed to be possible due to double-shift working hours. (Photos available)

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Hall: , Stand

### **Offsite qualified IT staffing services (849)**

Planet Soft provides IT Staffing for clients located in Europe and the USA. The Polish company supplies single IT professionals and IT teams for software development, software testing or system maintenance with onsite and offsite solutions. Highly skilled employees at low cost are said to be guaranteed. According to the exhibitors, their service allows clients to delegate their employees to be a part of the team in the development center, whether as developers, managers, auditors, or project managers. The IT staffing process reportedly takes up to two months, but usually amounts to thirty days. Recruitment time depends on the number of people needed and the skills and knowledge required. The human resources department continuously monitors the IT market situation in Poland and only those who score eighty percent in the tests are accepted for further tests and interviews, which are always conducted in English or German. As is pointed out, thousands of candidates have completed thousands of tests over the past eight years and their data has been fed into the IT staffing database to offer a high quality of choice for the clients.

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## Business Processes

Hall: 006, Stand J07

### **One-button copying of USB sources to optical disks (685)**

U-Sata is a DVD and Blu-ray DVD duplicator from U-Reach with the addition of a special USB copy-to-disk function. The USB copying function to DVD or Blu-ray disks is said to be an additional add-on value that will not interfere with normal DVD duplicator operation. According to the manufacturers in Taiwan, users merely have to push a button to copy a USB source to several CD, DVD or Blu-ray disks. The specially designed card reader allows sources to be copied not only from USB, but also from CF cards, SD and Micro-SD cards, and Memory Sticks. In addition, there are two fast keys for users to define with frequently used functions. The default settings are select source and eject all disks. The USB-Sata DVD duplicator reportedly supports high-speed 20X DVD and 8X Blu-ray duplication and is available with duplication to one, five, seven, eleven or fifteen targets. As is pointed out, the system facilitates not only optical disk duplication but also but also the backup of memory cards and USB sources onto disks. (Photos available)

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Hall: , Stand

### **Online and offline language training for firms (839)**

Digital Publishing's online language school CLT is described as a high-capacity platform for computer-based foreign language training. It is said to combine all the advantages of classic live trainings with computer-based language training. As is reported, the language experts at the German developers have now come up with a solution to study online without an Internet connection. With their CLT Plug-and-Learn, language students can now learn online and offline with the same software application at virtually any PC in the world. Students simply insert a special USB device into any PC to start the interactive language course application. As soon as there is an Internet connection, the program automatically connects to the learning management system. The solution thus ensures the utmost degree of mobility and flexibility for the individual student yet still allows online tutors to regularly check on their students' learning results. (Photos available)

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## Business Processes

Internet: <http://www.digitalpublishing.de>

Hall: 006, Stand B32

### **Outsourced website and software development (846)**

Planet Soft is an IT outsourcing company located in Poland that offers a wide spectrum of software development services. The company will be introducing some of these services. As is pointed out, with the number of websites totaling over 25 billion at the moment, it is becoming increasingly difficult to effectively place and market a company. The exhibitors say they have developed several hundred projects relating to websites, content management systems, open source software, or software development over the past eight years. They provide customers with sophisticated front-end and back-end web applications that fit the specific needs of a specific organization. Existing web systems can be customized to make them more efficient and up-to-date. The software and web development services on offer are described as fully professional and reasonably priced.

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Hall: 006, Stand J07

### **Outsourcing development centre in Poland (848)**

Planet Soft highlights its offshore IT outsourcing services provided by its Outsourcing Development Centre (ODC) in Wroclaw in Poland. The software engineers, who work as a virtual part of a customer's IT department, are said to fit into the methodology and practices implemented in the client enterprise without concerns about incorporation procedures, legal compliance, or security. The key benefits are seen in cost savings, a greater freedom to focus on core competencies, access to specialized skills, rapid scalability and easy deployment, monthly quality assurance meetings at the client offices, variable team numbers and custom schedules, and on-site team training. The creation of an ODC Team apparently takes up to two months depending on the size, skills, and project details. Clients can ask the company to analyze the project and define the time needed for its completion. The ODC model has reportedly proved successful for many European companies, in projects ranging from a team of two working on a completely new website to teams of over fifteen working on the maintenance and development of new features for large corporate intranet systems.

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Hall: 006, Stand J07

### **PCI-Express SAN solution for HD applications (876)**

Arena Maxtronic will be introducing a new PCIe SAN (Storage Area Network) architecture especially designed for professional video editing, High-Definition (HD) CCTV (Closed-Circuit TV), and other applications requiring ultra-fast bandwidth. The hardware is equipped up with the company's external PCIe switch and internal PCIe card, which is available on x4 and x8 host configurations for both Mac and PC users, and reportedly offers expansion for up to 28 external PCIe RAID subsystems. The topology highlighted by the exhibitors in their solution for high-definition streaming is listed as four workstations, four internal PCIe cards and two external PCIe switches, two external PCIe RAID systems, and professional video editing software such as Final Cut Pro. (Photos available)

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Hall: , Stand

### **Planning software for technical field service (342)**

Visi-Tour Service is described as an optimal scheduling and tour planning software for technical field service. The new software from FLS reportedly enables short- and long-term appointments to be coordinated within seconds. As the German developers claim, this not only leads to better customer service, but also yields cost reductions of up to 20 percent. The solution reportedly masters even complex planning tasks such as interdependencies, several-day jobs, jobs for several employees, overnight stays, depot pick-ups and on-call tours, yet remains easy to operate with its intuitive GUI. As is stressed on the firm's homepage, it is also the only product worldwide equipped with the superior Poweropt technology. This algorithm, developed in-house, is said to facilitate highly accelerated calculation processes and allow optimal dynamic real-time planning for the first time.

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Hall: , Stand



### **Planning system for student and disabled transport (345)**

Visi-Tour Linos is a new kind of planning system from FLS that is tailored to the needs of student and disabled transportation. According to the developers, it facilitates optimal planning of public transport and supports sponsors with the administration and tendering of individual routes. Optimal schedules for all available transportation vehicles can reportedly be calculated quickly and simply. According to individual specifications, the planning system takes into account all relevant requirements, such as the smooth coordination of different school hours, the minimization of individual travel and waiting times, the driver qualifications and the prevailing transportation regulations, or the integration of escorts and single-passenger transports. According to the company, the client-server solution can also be accessed via the Internet, directly by participating schools, for example, and it is not necessary to install at the workplace. The Oracle database system not only facilitates the fast and easy import of data, but ensures high performance and data security even with large quantities of data.

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Hall: , Stand

### **Platform for process-based business management (857)**

DHC is a German-based solution provider that helps enterprises in their optimization of business processes to achieve greater operational effectiveness. The exhibit DHC Vision is billed as a new platform for designing integrated management solutions for process-based business management. It reportedly embraces solutions for business process management, quality management, GRC (Governance, Risk and Compliance) management, IT management, and SAP life-cycle management. The solution is further described as a generic database-supported and web-based platform that enables the flexible and customized design of management solutions. It is said to offer the advantage of a seamless integration of different management information systems into a comprehensive solution as well as an intuitive, simple and customized interface for end users. The application embraces process modeling, cockpits, document management, scorecards, and requirement management based on workflows, audits, measures, changes, risks and processes.

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Hall: , Stand

### **Pocket-format handheld for merchandise planning (890)**

The Neo handheld computer on display from Psion Teklogix is said to be ideal for merchandise planning within the retail sector. The device is billed as combining ruggedness with comprehensive functions and a brilliant color display in a small, compact housing. The touchscreen display offers maximum brightness and resolution, enabling readings in all lighting conditions. In addition, the appliance is equipped with a battery that is claimed to last up to eight hours and be easily replaced. It weighs 275 grams and measures 16.5x6.4x3.8 cm. The product is reportedly compliant with the IP54 standard and is resistant to water and dust. The new handheld is equipped with an integrated imager or laser scanner and features WLAN and Bluetooth interfaces. The solution can also be extended by additional technologies such as RFID functionality. (Photos available)

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Hall: , Stand

### **Powerful document management and steering system (288)**

Data One Portal QM is said to allow the simple creation of organization manuals and process documentations for quality management. The pivotal component is a powerful document management and document steering system based on Microsoft Share Point. The explicit separation of responsibility and application areas simplifies daily operations, as non-relevant information automatically remains invisible. Further applicable documents can be declared using an intuitive picker mechanism. Moreover, flexible supervision and reminder tools account for automated re-submissions, for example for monitoring periods of notice. According to the developers, clearly arranged cockpits enable Quality Assurance managers to gain a quick overview over all relevant processes and take countermeasures at an early stage. The automated generation of pdf files increases resistance against tampering to achieve the necessary compliance and meet regulatory requirements. (Photos available)

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Hall: , Stand

### **Project management suite with new enhancements (144)**

The enterprise project management specialists at Planta Projektmanagement-Systeme will be presenting what they call a completely new client-server technology with the in-client implementation of Windows standards and MS libraries (.Net). Release 3.9 of the company's PPMS project management software is said to take the suite of products to the cutting edge of project management tool functionality with an intuitive interface that makes the programs even easier to use. New features include the use of tabs, undo, a graphical editor with panel technology, improved print functionality, and a powerful Excel interface. Moreover, the integration of Python and Iron Python is also claimed to bring a major advance in the ability to create individual customization. As is also pointed out, workflow functionality has been improved, open points have been refined as a central workflow tool, and the easy-to-use reporting procedures have been expanded. Request management now offers templates for process steps that also support idea management. According to the developers, the application can be easily customized to create e-mail alerts that exactly reflect customer requirements.

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Hall: , Stand

### **Project management with wider business functions (148)**

Planta announce that process steps can now be defined and allocated to an individual in their PPSA Professional Services Automation software. These process steps are also shown in the team member board. As a result, it is now apparently possible to plan resources from sales and ordering with the effort required, with the initiator, and with the desired and current estimated final completion date. According to the developers, the software also enables the actual effort that an individual requires to be recorded. As is pointed out, the integration of handling and process steps in both request management and project management allows the saving of checklists for Lead, SRQ and RSO process steps as well as checklists for open items. Within the application, the Sales and Ordering function facilitates the optimization of the sales process through targeted lead management and CRM as well as the management of contracts and quotations. The Knowledge Base and Skills module embraces a content management system with the easy implementation of content in a website and the simplified preparation of instruction manuals.

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Hall: , Stand

### **Project-related management of requests (147)**

The Planta Request management Preq supports the project-oriented processing of requests and change management, for example in IT development, the hotline and the help desk. According to Planta Projektmanagement-Systeme, change requests from products in the development phase can be collected and prioritized, and their status monitored. Depending on their priority, these can then be planned into projects or administered for later implementation. The advantages are seen in the easy and fast availability of status and detailed information about development activities, the regular flow of information about the status of a request to its initiator, and the short reaction times for requests. In addition, a variety of predefined analysis displays for requests and solutions is provided as well as an overview of all actual hours worked on requests, with no loss of ideas that are not immediately planned into projects. The developers draw further attention to the benefits of request templates for standardized request management, the improved communication with customers and employees, and the creation of a product development that is closer to customer requirements.

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Hall: , Stand

## Business Processes

### **Queuing Management System with wireless technology (702)**

The Aoto Queuing Management System implements a wireless network with a wireless ticket dispenser, call terminal, and LED screen. The wireless data transmission module developed by the company is said to have the advantage of strong anti-jamming and ensures stable data transmission. The hardware is convenient for printing paper changes and maintenance since the door is set at the front. An electric lock is installed for security. The core equipment comprises the ticket dispenser and the industrial controlling computer from Taiwan. The Linux operating system and a My-SQL data management platform is implemented. Further units consist of an 80 mm micro printer and a 15-inch full-color LCD touchscreen with extra-high-brightness LEDs and a very wide viewing angle. Also highlighted are the front IP66 and rear IP54 ingress protection, the anti-corrosive protection, and the effective cooling system so that the LED screen can also be installed outdoors. The system supports multi-voice sound broadcasts, customer priority operation, and multi-area, multi-floor queuing services. A remote control and monitor diagnostic system round off the system. (Photos available)

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Hall: 017, Stand D01

### **Rapid backup and retrieval of e-mail databases (217)**

Acronis points out that the loss of e-mail services for an extended period of time can be disastrous for a company. The smaller the business, the larger this catastrophe will be due to the limited IT resources available. It is therefore seen as essential to be able to complete a recovery of the Microsoft Exchange Server in minutes as opposed to hours or days. To achieve this, the company has developed Acronis Recovery for Microsoft Exchange. As is explained, using a flexible, intuitive interface, Exchange administrators can thus backup the mail database at the brick or database level, assuring users have e-mail availability with virtually no loss of productivity. Thanks to the one-step automated backup, critical communications can be preserved and, when disaster strikes, operators can retrieve specific e-mails, shared folders, or entire mailboxes for specific users to maintain e-mail services. The application is deemed an excellent complement to the company's True Image family of disaster recovery and system migration products. (Photos available)

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Hall: , Stand

## Business Processes

### **Redundant fiber solution for FC SAN environments (877)**

As Maxtronic points out, technology today is moving very fast and traditional storage may consist of one single controller that is enough for most user needs. For advanced users, however, hardware failures, especially at night, are a legitimate fear with a sole controller and can cause data loss without timely notification or instant hardware replacement. In addition, the performance of a single controller may not be sufficient for very heavy I/O operation. Such users apparently require controllers that are able to provide around-the-clock operation the whole year round without any interruption. The company therefore recommends its redundant solution for FC (Fiber-Channel) SAN environments to ensure data source safety and reliability, such as its SS-880IR cluster environment with GFS (Global File System) running on Red Hat Linux. (Photos available)

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Hall: , Stand

### **Robust and powerful handheld computer (464)**

One of the devices Latschbacher plan to highlight at the fair will be their TDS Nomad, described as a rugged PDA with various options, diverse capabilities, and a freely programmable operating system. The robust and powerful handheld computer is said to be watertight and temperature-resistant and weighs only 596 grams. MS Windows Mobile 6.0 is installed as the operating system. The hardware comprises an 806 MHz Intel Marvell PXA 320 processor, 128 MB of DDR SDRAM, 512 or 1,024 MB of Flash, a 3.5-inch color display with 65,000 colors and a removable, 5,200 mAh lithium-ion battery pack. There is one USB host and one USB slave port as well as a port for charging and one for an audio headset. The manufacturers also highlight the integrated Bluetooth interface 2.0+ EDR, the WLAN 802.11b/g WPA2, and the GSM/Edge modem. Additional equipment comprises an SD slot and a CF card slot. The comprehensive range of accessories opens up many possibilities of use wherever an outdoor-suitable device is needed and includes a desktop cradle, car cradle, multi-charger, carrying bags, an RFID and barcode reader, and GPS. (Photos available)

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## Business Processes

Hall: , Stand

### **Robust eight-gigabit network switching platform (711)**

Residing at the core of the Brocade Data Center Fabric (DCF) architecture, the company's DCX Backbone is billed as a new and highly robust class of network infrastructure that supports both open system and System Z environments. Designed to meet a wide range of technology challenges for evolving enterprise data centers, the backbone is claimed to combine breakthrough performance, scalability, and energy efficiency with long-term investment protection. As the exhibitors maintain, the solution delivers four times the internal switching performance of their industry-leading SAN (Storage Area Network) directors to support growing server and storage environments and to accelerate virtualization. Using 8 or 4 Gbps fiber-channel SFPs (Small Form-factor Pluggable ports), a single chassis reportedly provides up to 384 fiber-channel ports. Four Inter-Chassis Link (ICL) ports are used to connect two of the chassis and preserve the equivalent of up to 64 8-Gbps E-Ports per chassis for server and storage connectivity. (Photos available)

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### **Rugged data capture device with ergonomic design (891)**

The Ikon from Psion Teklogix is highlighted as very handy and ergonomic. It features a full VGA touch display measuring 3.7 inches and a very powerful battery with 5,000 mA. With its IP65 certification, the PDA has been designed for professional use in rough environments as well. As the manufacturers stress, the rugged device offers a choice of four connection standards in a single device, namely GSM, Edge, GPRS, UMTS and HSDPA, WLAN, Bluetooth, and GPS. It therefore offers not only voice and data communication but also navigation solutions in a single device. The solution can reportedly be used in a variety of different application areas, including service field work, transport and express logistics, or monitoring stationary traffic in the public sector. Moreover, it allows simultaneous scanning of barcodes with the integrated scanner or imager as well as color photography thanks to its integrated two-megapixel camera. (Photos available)

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## Business Processes

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Hall: , Stand

### **SAP-integrated document scanning solution (604)**

FIS EDC (Electronic Document Center) is billed as a comfortable, all-in-one solution for document scanning and their further processing in SAP Enterprise Resource Planning software. The fully SAP-integrated and modular-structured application processes EDI (Electronic Data Interchange) messages and scanned documents automatically, which is said to optimize invoice receipt processing. According to the developers, it allows for a considerable quantitative and qualitative surplus value, resulting in higher efficiency and increased productivity through the optimization of the invoice verification process. Features include the automatic posting of vendor invoices (OCR and EDI data records) with and without a PO (Purchase Order) reference and full integration into the SAP system using all standard tables. Attention is also drawn to the item matching in Idoc (Intermediate Document) conversion, whereby any invoice items not in the purchase order are also offered for processing on the monitor. Comfortable post-processing options in split-screen format give direct access to the scanned invoice in Tiff format.

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Hall: , Stand

### **SAP-qualified ERP add-on solution for merchants (602)**

FIS WWS is an ERP (Enterprise Resource Planning) solution for merchants and is the company's add-on for the standard SAP modules of sales and distribution (SD) and material management (MM) for the technical wholesale industry. As the German developers maintain, SAP distribution and procurement logistics has thus been optimized to the special requirements of this branch. The individual applications have been implemented and documented by additional transactions within individual namespaces. Release changes are said to be systematically facilitated. The development has apparently been conducted in accordance with the strict qualification guidelines of SAP and the application is SAP-qualified since March 2003. The branch-specific pre-customizing is claimed to reduce project expenditure and project runtime to a minimum. The functions for merchants are seen as especially appropriate for a number of segments. These are listed as sanitary equipment, HVAC (Heating, Ventilation and Air-Conditioning), construction materials, industrial requirements and tools, electronic articles and accessories, steel, colors and furnishing, and screws and other fastening technology.

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## Business Processes

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Hall: , Stand

### **SDHC to SSD adapter with onboard SLC chipset (628)**

Maxxxware Trading will be displaying the new Photofast CR-9100, an SD(HC) to 2.5-inch SSD (Solid-State Drive) adapter with an SLC (Single-Level Cell) chipset onboard. The device not only comes with a 16 GB SLC chipset onboard, but also provides an additional four SD(HC) (Secure Digital High-Capacity) card slots for expansion purposes. Each slot can reportedly hold up to 32 GB, which means that a maximum of 128 GB expansion is possible. (Photos available)

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### **Server room-in-a-box for infrastructure protection (661)**

The Armarac unit is a server room-in-a-box to be installed on the wall that provides a secure and damage-resistant environment for computer and networking equipment as well as voice and data cabling. The device reportedly represents the evolution of the traditional 19-inch rack. As the company homepage puts it, each wall-mounted system delivers all the features of a server room in an attractive, robust and cost-effective installation. The European launch of the product will take place at the fair.

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## Business Processes

### **Service-Oriented Architecture for productive use (18)**

The business service and ERP software provider Proalpha says it adheres to the strategy of a uniform and integrated solution from one source. The concept includes functions like APS (Advanced Planning and Scheduling) and a DMS (Document Management system). In order to link heterogeneous IT structures and quickly adjust processes within a business, SOA (Service-Oriented Architecture) technology is deployed. The company claims to have implemented this technology in a well-functioning solution, with its own software architecture either being rebuilt or having been rebuilt already. Reportedly, the users hardly recognize this rebuild, which is necessary to ensure the sustainability of their systems and applications. Despite an increasing complexity of the functions and their linkage, the exhibitors maintain that the entire system remains controllable and adjustable and that the principle of an integrated standard system with a high degree of coverage remains unchanged. As is also noted, the advanced software structures facilitate smooth administration for the user and the adjustment of functions. This is seen as an important factor for conducting data transfers to public authorities.

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Hall: , Stand

### **Shopping address for fashion, home and lifestyle (868)**

The exhibitors from Otto announce the launch of smatch.com, a new address for product searches and recommendations in the fields of fashion, home and lifestyle. The professed goal is to become the first port of call for all Internet customers for purchases in these three product areas. The portal is intended not only to provide an overview of what is on offer, but also to respond to the individual taste of each user. It consists of a powerful search function that quickly and simply checks out the offers available from many hundreds of specialist shops, whose products are then visually spotlighted and displayed with all the key information. Web 2.0 elements such as the tagging of products and a range of recommendation and community features (social shopping) are said to make it an emotional shopping experience. In addition to well-known fashion brands such as Tom Tailor, smaller shops like the Hamburg-based online shop for streetwear, Clear Cut Case, are also represented with their products. The range of products will apparently be expanded over the coming months by the addition of numerous new shops to provide a comprehensive overview of all the relevant products.

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## Business Processes

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### **Shopping Community becomes part of the Otto Group (871)**

The Otto Group in Hamburg reports the addition of the successful Munich-based Limango Private Shopping Community to its strategic e-commerce portfolio. With this acquisition, the second-largest B2C online trader worldwide says it intends to further expand its market position. The portal [www.limango.de](http://www.limango.de) is described as the first online shopping platform specially tailored to parents-to-be and young families with children up to ten years of age. The shopping community claims to offer selected top-brand products to a closed circle of members in the areas of children's clothing, children's furniture, prams, pushchairs and toys within the framework of special sales campaigns with a limited time period and at favorable prices. Since the online start in December 2007, the online business has reportedly established itself as the leading shopping community for young families. The rapidly growing sales figures and the current status of over 15,000 registered members are seen as evidence.

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### **Software aids cost-efficient shipment of packages (479)**

The fast and cost-efficient shipment of packages is reportedly facilitated by the new Pakete Xpress solution from AEB. The software apparently summarizes online quotes and software solutions from different parcel service providers, compares prices and services, and proposes the most favorable service provider. Label printing is directly controlled while entering the order, and the transport service providers are notified via Edifact, manifests, or lists. As is pointed out, all updates offered by the service providers are made available automatically, thus making sure that labels always match the latest requirements. As the exhibitors describe the advantages, the solution does not require any great investment, workflows in the shipping department are streamlined, and processes are optimized. But above all, a company's flexibility in selecting a transport partner can be enhanced. The system is available for up to five different transport service providers.

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## Business Processes

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### **Software for digital media management (826)**

Anova Multimedia Studios in Rostock will be showcasing their Silor (Scalable Infrastructure for Learning Object Repositories) software for the first time, which is described as a building set for web-based management solutions in the field of digital media. The new system, developed for businesses and educational institutions to manage and distribute digital learning materials, has apparently been conceived with a perspective on Learning Object Repositories (LOR) to support e-learning and knowledge management. It can be used as a general management solution for digital media in companies or as base system for a marketplace for digital media in the Internet. According to the developers, a key feature and unique selling point of the solution is its modular structure, which enables a configuration of the software system according to specific requirements. It can be used as a standalone application, yet also allows for the connection of components to other technical systems, such as learning management systems or authoring systems. As a result, systems already established at a company or an institution can still be used and can be linked to the software. (Photos available)

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Hall: 006, Stand C29/2

## Business Processes

### **Software for handwritten note management (526)**

My Script Studio is a standalone note management application developed by Vision Objects that reportedly helps during all stages of the note-taking process, such as note creation, organization, and the efficient use of such information. The solution detects any handwritten files as soon as a writing device is plugged to a computer. Once the new ink files are detected, they are automatically available in a default folder. The notes can then be classified into own custom binders and tagged, thus enabling an organization of the notes for personal needs. Searches can be simply made by typing keywords to find elements. In addition, all kinds of handwritten notes, such as text, drawings or tables, can be converted into digital text. The result can then be sent to word processors, to a text file, or to a default e-mail application.

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### **Software solution for dictation to transcription (659)**

Win-Scribe will be exhibiting its latest version for digital dictation, voice recognition and workflow management systems. As reported on the homepage, the software solution is said to ease the path from dictation to transcription, resulting in a simplified dictation workflow. The product bearing the company's name can evolve on Windows, Windows Terminal Server, Citrix and VM Ware infrastructures. This is said to allow for maximum flexibility across a firm's IT environments. The solution provides dictation platforms on Blackberry, Windows Mobile or the Nokia Smartphone to enable users to remain mobile yet productive. The relevant products comprise Digital Dictation, On Demand, and the Mobility Suite.

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Hall: 002, Stand B24

## Business Processes

### **Software solution for managing customer services (27)**

Customer service management from the customers' point of view is billed as the Consol motto for this year's fair. The company draws attention to the importance of issues like whether the customer is happy or not, whether he has already renewed his leasing contract, or where a potential sales volume can be exploited through after-sales services while simultaneously enhancing customer retention. The CRM solution Consol-CM is said to cover all aspects of customer management from the first customer request to the performance of an efficient service, the reclamation, and the management of complaints. In the event of new requirements, business processes in the customer contact field can be quickly adjusted using the graphical workflow editor. The software is web-based and reportedly intuitive in its use. It is also claimed to make central access possible for all users without any media breaks. Thanks to open interfaces, such as to SAP, the solution can also form part of complex IT landscapes. An SOA (Service-Oriented Architecture) helps to connect the application to existing ERP, CRM, asset management and licensing systems as well as to monitoring, inventory or order management solutions.

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Hall: , Stand

### **Solution to synchronize business data (854)**

ASD Harmony is a flexible IT solution from Advicio Servdesk in Dresden that aims to guarantee the consistency of data processed by different applications and departments. The new solution apparently integrates the ASD Match method for constructing a synchronization model and comprises the application ASD Sync for modeling business processes graphically and for generating a totally platform-independent synchronization program. As is explained, the synchronization is based on a domain model, which is used as a reference for comparing and exchanging the data between arbitrary applications used by different departments. The procedure is described as an iterative method that can be extended and adjusted to meet new requirements and technologies at any time. It is offered together with a complete bundle of consulting and training services and addresses department heads, IT project managers, and developers.

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Hall: 005, Stand F48

## Business Processes

### **Stainless-steel PC for the food processing sector (231)**

Noax Technologies will be introducing a new 19-inch stand-alone, industrial PC in a stainless-steel enclosure for challenging environments in the food processing industry. The manufacturers point to its completely enclosed hygienic design construction, its totally smooth surface without edges that collect dirt, and the design according to the safety standard IP65 (Nema 4X). As a result, the touch-IPC with the product designation S19 Premium line can be easily cleaned and disinfected. With the new 19-inch unit, the company is expanding its industrial Steel family of PCs for the extensive process visualization of tasks, which already includes 12-and 15-inch systems. As is pointed out, the IPC includes a high-contrast and very durable 19-inch industrial TFT display, which has a resolution of 1,280x1,024 SXGA to ensure good legibility even under the worst conditions. The integrated, resistive analog touch panel with hardened plastic surface is said to assure simple operation. The exhibitors also highlight user-friendly features like the 20 integrated, freely programmable keys and the easy integration in production environments by means of multiple mounting possibilities. (Photos available)

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### **Storage solution for Network Video Recorders (878)**

Arena Maxtronic will be unveiling a new solution for the video surveillance market. As is explained, the network Video Recorder (NVR) has grown in popularity over recent years and is easy to integrate and manage and has a low installation cost. The Taiwanese company maintains it has successfully demonstrated a solution for the advanced application of video recording at the Security and Safety Asia exhibition in Singapore. The I-SCSI RAID systems aim to provide a SAN (Storage Area Network) over IP solution for small and medium-sized businesses. With their application, users are said to achieve a flexible combination with DAS (Direct Attached Storage) or IP storage, very good capacity expansion capability, extra data protection for storage purposes, and remote on-site retrieval of video content. (Photos available)

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## Business Processes

Hall: , Stand

### **Super-slim, rugged and flexible data capture unit (467)**

The M3+ Mobile is billed as a super-slim and rugged PDA that features numerous advanced applications such as an integrated barcode scanner, Bluetooth, a camera, and GSM/Edge. The robust design and IP64-rated sealing is claimed to ensure protection against dust, moisture, and extreme temperatures from -20°C up to 50°C. The device can apparently handle drops of 1.5 m to concrete across broad temperature ranges. It runs on a user-friendly MS Windows Mobile 5.0 operating system and boasts a powerful 520 MHz Intel PXA 270 processor (X-scale), 128 MB of SDRAM, 128 MB of Flash, a 3.5-inch color display with 65,000 colors, and a 2,200 mAh removable battery pack. The handheld further offers a Bluetooth interface and WLAN IEEE 802.11b/g connectivity for exchanging and synchronizing data and an optional GSM/Edge modem with phone function. Latschbacher also spotlights the integrated 1D/2D (only PDF417) laser scanner or 2D imager. The scope of delivery embraces a 220 V plug-in charger, a desktop cradle, an additional battery, a USB cable, a headset, and an accompanying CD. (Photos available)

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### **Systematic management of project portfolios (146)**

In the Planta Project Portfolio Management software PPPM, the cost management functionality between portfolio and project management has been further developed, the German developers point out. In addition, the reporting and analysis features for comparisons within portfolios have also been improved. The software supports strategic planning and control of company project portfolios, the choice of projects that best fit company strategy, all phases of portfolio management from the definition of company and department targets, through the classification of ideas and projects, to their evaluation and prioritization, including target and project monitoring. Other functions spotlighted by the exhibitors are the optimization of the project portfolio while heeding costs, benefits and risks and the calculation of the strategic contribution made by individual projects. In conjunction with the company's PPMS project management software, the highlighted application is claimed to offer the opportunity to successfully implement company targets over all company levels in the form of projects. The tools reportedly facilitate an effective connection between strategic planning and project management.

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## Business Processes

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Hall: , Stand

### **Tablet PC for the mobile workforce (466)**

Designed for harsh environments, the Algiz 8 has been conceived to deliver maximum performance to the mobile workforce. The Tablet PC is said to meet rigorous military standards for drops, vibration, and condensation. The manufacturers specify that it can handle drops of 1.5 m to concrete across vast temperature ranges. The device is reportedly protected against dust and water in accordance with the IP65 rating and can operate in temperatures from -20°C to +50°C. The operating system is MS Windows XP Professional and the hardware equipment is listed as an Intel ULV M processor with 1 GHz, 512 MB or 1 GB of DDR 333 RAM, a 40 GB hard disk, an 8.4-inch SVGA TFT color display with touchscreen, and a 7.4 V hot-swappable battery with 5,800 mAh. Communication is provided by an integrated Bluetooth interface, WLAN IEEE 802.11a/b/g, and UMTS. GPS can also be optionally integrated. Accessories include a 12 V vehicle charger, vehicle cradle, desktop cradle, carrying case, and belt carrier. (Photos available)

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Hall: , Stand

## Business Processes

### **Third-party application development for I-Phone (688)**

Semaphore Software will be describing its expertise in I-Phone application development using Mac machine and simulator technology. The company says it also specializes in I-Phone content development, HTML pages, graphics, and I-Phone mobile website development. As is explained, since Apple provides lower-level access to third-party applications, it is possible for developers to build numerous applications in the fields of office and business, multimedia, Internet, fun and games, and utilities. Xcode is suite of tools from Apple for developing applications, which is said to be both easy to use yet powerful enough to build the largest Mac OS X applications. It also includes most of the developer documentation and the Interface Builder, a graphical editor for designing user interface components for both Carbon and Cocoa applications. As the exhibitors put it, the builder works closely with the tool suite to enable a development experience that facilitates a concurrent yet specialized development of an application's user interface and business logic.

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Hall: , Stand

### **Tool to promote retail best-practice (666)**

RPM Retail in New Zealand will be presenting the software tool RPM, which is claimed to increase the profits of specialty retailers by addressing the problem of inconsistent store performance. Using high-value insights derived from point-of-sale data, the tool automatically sends plain-English advice to every store every day. As the developers put it, retail staff can thus be motivated to do the right thing. According to the homepage, by benchmarking each branch's performance results against its peers, the software identifies relative areas of strength and weakness and displays the results on the so-called Scoreboard. For branch managers, this is seen as the perfect tool to share business performance, and opportunities for improvement, with the entire team.

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## Business Processes

### **Tour planning for larger field organizations (343)**

According to FLS, their new Visi-Tour Enterprise is the most technologically advanced solution for district and tour planning for medium-sized and large field organizations. The software reportedly allows district planning and visiting strategy to be optimized even for tens of thousands of customers and hundreds of employees. The periodical tour planning can be optimized either according to costs or according to an equal distribution of jobs amongst employees. As is pointed out on the homepage, the essential task of district planning is the optimal distribution of the customers to be visited and their allocation to the field representatives. The calculation is based on regional data like actual distances and realistic driving times as well as on the frequency and the duration of visits with all customers. The program allows freely definable criteria to be included such as the permanent allocation of single customers or customer groups to particular employees or key account managers. The calculation of districts is then carried out automatically and according to individual specifications.

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### **Unified messaging solution for mixed PBX and IT (607)**

With the new IXI-UMS Version 5.8, Servonic will be unveiling a unified messaging solution that is particularly suitable for companies with heterogeneous PBX and IT constellations. The new Kernel is said to offer an enhanced performance and a higher throughput for companies with a high amount of UMS messages. An improved administration of the sites reportedly makes its application easier for heterogeneous environments and migration phases, independent of whether ISDN or IP is used for the communication. Several sites and controllers from different sites can apparently be defined and administered at one Kernel. In this way, several controllers of one or several different types, whether S0, S2M or VoIP, can be combined and served using the solution. The administration and handling of the messages is effected in a uniform manner and the specific settings of the controllers can be made separately. The new version supports Windows Server 2008 and is said to be characterized by powerful message routing, which can be usefully enhanced for an effective message distribution through IXI-UMS MDS (Message Distribution Service).

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### **USB language course with virtual classroom (841)**

With their new USB language course, Digital Publishing says it combines effective language training with modern interactive technology. As is explained, what is claimed to be Europe's most successful language learning system is contained on a 2 GB USB stick and includes all levels from beginner to advanced stages. The solution is also said to provide business language training for all linguistic challenges encountered in professional life. In addition, all users of the USB language course can book live training in the Internet, can talk to a real language trainer and other learners via webcam and microphone, and can chat in the Virtual Classroom. The pocket-sized language course, which can apparently be used on every PC without any complicated installation, is available in English, French, and Spanish. (Photos available)

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### **User-centric ERP with latest web technologies (119)**

AP-Plus is billed as an internet-based business solution for medium-sized manufacturing firms, service enterprises and trade companies that has been completely developed with state-of-the-art web technologies (XML, Web Services) on the basis of Microsoft.Net. The user-centric ERP system is claimed to extend far beyond conventional ERP functionality and consistently integrate customer relationship management, e-business, knowledge management, and supply chain management. According to the developers at AP Automation and Productivity, through a completely new portal and workflow concept, the individual user with his personal tasks and information requirements stands in the focus of a user-centric ERP. As is explained, all relevant data from diverse ERP functional areas and data sources are summarized on one portal page, which means that information comes directly to the user. As a result, the user does not need to compile these data himself from various masks or via complex query mechanisms.

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### **Vehicle-mount computer in lightweight frame (892)**

Psion Teklogix has reportedly developed the 8515 vehicle computer with a full range of functions housed in a very compact and lightweight housing. This makes it particularly suitable for vehicles with a limited fitting space. According to the manufacturers, the rugged device can be deployed in a wide variety of industrial settings, such as on forklifts in warehouses and harbors or as a stationary and firmly installed computer on factory floors and production sites. The solution is equipped with a VGA color display with a resolution of 640x480 dpi. As is stressed, the bright touch display can be easily read even in environments with limited illumination. Moreover, the alphanumeric keyboard also features ten dedicated function keys at the side of the monitor for flexible and precise data entry. (Photos available)

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Hall: , Stand

### **Versatile access reader with award-winning design (631)**

PCS will be showcasing their new Intus 600 access reader, which has reportedly received an IF Design Award for outstanding product design. The manufacturers highlight the blue Magic Eye, which signals whether an access card is valid or invalid, and the anthracite finish in a silver frame with a distinctive, yet unobtrusive and compact design that makes it blend in with its environment. The housing is shock-resistant. Technically, the RFID reader apparently differs from its predecessor model mainly in its support of the new reading methods Mifare Desfire EV1 and Legic Advant. Both reading methods are said to provide maximum security in conjunction with RFID access cards and tags. However, the device is also downward-compatible with the previously used Mifare Classic and Legic Prime reading methods, which means that customers can keep on using existing access cards in migration projects. The product is equipped with a durable keypad for PIN code entry and is optionally available with a backlit keypad. (Photos available)

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Hall: , Stand

## Business Processes

### **Very fast card with UDMA Compact Flash technology (630)**

One of the products on show by Maxxxware Trading will be the new Photofast 350X UDMA MLC CF card. The UDMA (Ultra-Direct Memory Access) MLC (Multi-Level Cell) CF (Compact Flash) card can apparently reach a read speed up to 50 MBps and a write speed up to 20 MBps. As the exhibitors stress, it offers superior value in terms of cost-to-performance thanks to the integration of MLC technology. (Photos available)

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### **Very high-speed 2.5-inch Solid-State Drive (627)**

The new Photofast G-Monster 3 is billed as a very high-speed 2.5-inch MLC-SSD (Multi-Level Cell Solid-State Drive). The device is claimed to deliver a particularly fast 250 MBps read and 180 MBps write performance. With its 64 MB DRAM on-board cache, the drive in its version 3 also delivers a superior random write of 50 MBps. According to the exhibitors, it is available in 128, 256 and 512 GB versions. (Photos available)

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## Business Processes

### **Very rugged notebook for harsh environments (465)**

The Algiz 13 has been specially developed by Latschbacher for harsh environments where normal laptops are not tough enough. The rugged yet lightweight laptop is said to provide high-performance capability coupled with the tough exterior an outdoor setting demands. The device is IP54-protected against dust and water and can reportedly operate in temperatures ranging from -20°C to +50°C. As the exhibitors point out, the unit can also handle drops of 0.9 m to concrete across broad temperature ranges. The operating system is MS Windows XP Tablet Edition and the hardware consists of an Intel Core Duo Merom ULV processor with 1.06 GHz, 512 MB to 4 GB of RAM, an 80 or 160 GB hard disk, a 13.3-inch XGA TFT color display with touchscreen, and a nine-cell lithium-ion battery with 7,800 mAh. Attention is also drawn to the integrated Bluetooth interface, the WLAN IEEE 802.11a/b/g, the optional integrated GPS, and the UMTS/HSDPA capability. Accessories include a 12 V vehicle charger, vehicle cradle, carrying case, and belt carrier. (Photos available)

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Hall: , Stand

### **Very tough devices for mobile data collection (463)**

Latschbacher recommend their TDS Recon X series of handheld computers when portability, data security and maximum operating time are crucial. The innovative modular design is said to save time and money on long-term service and provide customization options to suit various different applications. According to the German manufacturers, the device is watertight and temperature-resistant, weighs only 490 grams, and is robust enough to exceed even military specifications on drop and vibration stability. MS Windows Mobile 6.0 serves as the operating system. Hardware features include an optional 200 or 400 MHz Intel PXA 255 processor (X-scale), 64 MB of self-refreshing DRAM, 128 or 256 MB Flash, a 3.5-inch color display with 65,000 colors, and a 3,800 mAh removable battery pack. The appliance is also equipped with two CF card slots and can be extended with standard CF cards as required. Many accessories are apparently available, such as a desktop cradle, car cradle, multi-charger, carrying bags, RFID and barcode readers, WLAN, Bluetooth and GPS, which turn the appliance into a genuine all-rounder. (Photos available)

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Hall: , Stand

## Business Processes

### **Web mining services to filter the information flood (511)**

DPH in India will be giving details of their Web Mining Services (WMS). As most of the information is now available on the web, the company says its clients have a great need to identify, filter, collate, classify and summarize information gathered from the Internet. The web mining services provided are said to offer exactly these services. The range of web mining services on offer is apparently being expanded on a continuous basis in line with client needs. Recent expansions have gone into client-specific content management. The options and possibilities are said to be endless and a wide range of specific requirements is reportedly catered for with cost-effective solutions. (Photos available)

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Hall: 004, Stand F68

### **Web-based system for data and document protection (858)**

Starforce (SF) Content will be presented as a unique web-based solution to protect documents and information. It reportedly allows its users to solve the problem of information leakage, maintaining the confidentiality and retaining the authorship of the documents created. The system is claimed to protect against plagiarism and protect documents from unauthorized opening, copying and distribution. It also obtains statistics on sales or protected document handling and can either permit or prohibit file printing. The solution is said to effectively limit the number of computers that can open a document and set an expiration date for using a protected data. Protection is apparently provided for electronic documents in pdf, doc, rtf, ppt and html formats. Distribution is reported to be possible by various methods, including CDs, DVDs, with or without binding, and via the Internet in e-mail and download applications.

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Hall: 011, Stand B58



## Business Processes

### **Wireless time distribution to radio slave clocks (221)**

Bürk Mobatime will be spotlighting its solutions for Wireless Time Distribution (WTD) to digital and analog radio slave clocks. Such solutions are said to open up new possibilities in realizing new clock systems or in modernizing or extending existing ones. The most important features include DCF 77 time synchronization anywhere where direct reception of the radio signal is not possible, a simple, cost-saving installation without cables, and reliable time synchronization over distances of up to 200 meters. The German company points to the versatile application possibilities, such as the cost-efficient installation of smaller devices in schools, the simple re-fitting of existing clock systems in buildings and open-plan offices, and the supplementation or extension of (plastic) wired systems. Further merits include the unlimited number of slave clocks within the transmission range and the simple world time function with adjustable time zones through DIP switches. (Photos available)

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Hall: 012, Stand C06

## Communications

### Communications

#### **Advanced IP camera with auto-clawback function (319)**

CGM 201 is a new development from Throughtek billed as an advanced IP camera with auto-clawback function. It is paired with the company's Hybrid DVR (Digital Video Recorder) from the HVR series. With the HVR 104L model, the video can apparently be continuously recorded over the Internet. As the Taiwanese exhibitors explain, when the network is down, the video will be recorded on a USB disk and claws back to the Hybrid DVR automatically when the network is back again. As a result, the video will not be missed even when the network is temporarily unavailable. (Photos available)

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Hall: , Stand

#### **Advanced KVM extender set for up to 300 meters (325)**

The Cat-5 KVM extender set from Uniclass with the product designation CAT5 EXT 300 utilizes Cat-5 media technology to extend a console up to 100 or 300 meters away. According to the manufacturers, the advanced KVM extender set not only extends a keyboard, monitor and mouse but also common interfaces such as serial ports, audio speakers and microphones from a computer up to 300 meters on a single Cat-5 UTP cable. The solution reportedly achieves this with a satisfying signal quality that suffers no visible loss. The extender set comprises two disparate units, namely the K5 LC and the K5 CMLC. The former is the local console unit or, simply put, the receiver on the one end of the UTP cable. The latter component is the computer module with the local console, or the transmitter on the other end of the UTP cable. However, this last element also provides a local console so that the user can also access the computer on the computer end. The set allows for firmware upgrades whenever they may be needed.

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Hall: 013, Stand D73/1

## Communications

### **Advanced networking solution for SME security (270)**

The new Billion Bi-Guard S100N is an 802.11n Gigabit SSL/IP-Sec VPN gateway with portal-based wireless NAC (Network Access Control) and advanced energy saving features for greener networking. It is seen as the perfect solution for small and medium-sized enterprises that need a flexible, secure wired and wireless connection and always-on connectivity to corporate resources. Integrated with portal-based wireless NAC, the hardware enables workers or visitors to roam freely, securely and seamlessly between subnets in an office building, or between different network types like LAN, WLAN and WAN without the risk of unauthorized access to the corporate network. By establishing encrypted SSL VPN tunnels, mobile workers can securely access the intranet from any location, such as a branch office, home, or even a public kiosk. Gigabit WAN and LAN ports provide the bandwidth and speed for heavy bandwidth-consuming applications like video streaming and critical business applications. Energy-efficient features such as Smart Power Saving and Wake-On-LAN (WOL) allow corporate networks to be environmentally friendly and save costs without any compromise in network performance.

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Hall: , Stand

### **Advanced-level seven-port GbE security switch (556)**

The WNC RSEC-83 is billed as an advanced-level, seven-port GbE security switch. It is combined with the Octeon 5010/5020 processor from Cavium and is said to possess strong security features, including IP-Sec, VPN, and a firewall for enterprise-level applications. The operating system is based on the Linux 2.6 kernel. As to its exterior, the standard 1U-high and 19-inch rack-mount mechanical design is claimed to be highly convenient. The switch is equipped with 5-gigabit LAN ports, a gigabit WAN port, and a gigabit failover port. Moreover, with its 1 GB of DDR 2 memory and dual-core hardware CPU, multiple functions are supported to speed up data processing to yield an efficient Internet environment and allow high-speed Internet access. (Photos available)

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Hall: 013, Stand D79

## Communications

### **Answering machine for up to 64 hours of recording (121)**

The new Tiptel 332 SD is claimed to offer new dimensions for an answering machine. The device features sixteen hours of memory capacity on a removable SD memory card and automatic call recording for malicious calls. Up to 1,000 recordings or messages are possible with time and date information. There is an optional enhancement up to 64 hours of recording capacity, which, for example, allows users to archive incoming orders over a whole week. (Photos available)

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Hall: , Stand

### **Audio-conferencing solution with SIP support (444)**

The third generation of Redwood's audio-conferencing solution, Red Matrix, now provides full support for next-generation SIP-based networks in addition to traditional fixed and mobile environments. Suitable for all grades of service, from managed high-security government and financial applications through to unsupervised self-administered consumer products, the solution is billed as the prime choice in Europe for delivering network-strength audio-conferencing services at realistic prices. It reportedly boasts class-leading features such as full call-recording management, MS Outlook and Passport integration, SMS text alerts, and prepaid billing. (Photos available)

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Hall: 013, Stand D58

## Communications

### **Backplane manufacturing with high precision (896)**

Casbar, a Spanish company that designs outdoor racks and cabinets and also provides integration services, reports that it owns specially designed, automated machinery that guarantees backplane manufacturing with highest standards of precision, quality, and efficiency. The company's services include tailored PCB (Printed Circuit Board) design and the issuing of Gerber files for pre-placement. As the exhibitors point out, test engineering services are also available for the final product, assembly, and functionality. Prototypes or special industrial customizations are available according to customer needs. (Photos available)

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Hall: 012, Stand A16

### **Bluetooth hands-free unit with text-to-speech (340)**

B-Speech Linga is Text-to-Speech (TTS) hands-free unit with Bluetooth version 2.0 that reportedly offers easy handling and very high quality in its voice transfer. The voice transmittance announces the names and numbers of stored callers and, if these are not stored, the number is announced. The integrated telephone book has room for 1,500 contacts that can be dialed. There is also space for ten short dial numbers as well as 50 missed call numbers. The device features multi-pointing capability and can be used with two cell phones at the same time. The clear and ergonomically designed soft-touch controls are said to allow safe and comfortable handling while driving. The manufacturers also point to the A2DP and AVRCP stereo profile, the two 2 W loudspeakers, the speaking time of twelve hours, and the standby time of twelve days. The dimensions are specified as 142x50x19 mm. (Photos available)

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Hall: , Stand

## Communications

### **Bluetooth headset without electromagnetic waves (352)**

M Tech will be introducing their P268 non-electromagnetic bone conduction Bluetooth headset. Since no electromagnetic waves are generated, the manufacturers particularly highlight its safety and health advantages. The device is also said to be reliable and suitable for extended use. As the company explains, bone conduction transmits sound through the vibrations of facial bones to the auditory nerve, bypassing the eardrum. The technique also provides sound clarity for the elderly and the hard of hearing. The headset features a professional design and comes with an internal antenna and microphone. Digital voice technology is implemented for noise cancellation. There are two types of special ear holders with comfortable silicon earpieces to choose from. The Hong Kong exhibitors also point to the last call redial and voice dial function, whereby mobile support is needed, the talk time of about five hours, the additional Bluetooth V 2.0 plus EDR version, and the communication range of around 10 meters. (Photos available)

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Hall: 016, Stand A02

### **Bluetooth pillow for relaxed phoning and music (787)**

The new Percushion to be highlighted by Urban Tool at the fair is described as the perfect match of IT and textiles, being a Bluetooth pillow to make phone calls and listen to music in stereo quality. As the Austrian exhibitors explain, it is wirelessly connected to a mobile phone or a MP3 player via Bluetooth and thus allows users to listen to music and make phone calls while relaxing on the soft and ergonomic high-tech pillow. (Photos available)

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## Communications

### **Breakthrough quad-core desktop processor (620)**

The Intel Core i7 processor is billed as the company's most advanced desktop processor ever. The CPU is the first member of a new family of Nehalem processor designs with new technologies that boost performance on demand and maximize data throughput. The processor reportedly speeds video editing, immersive games, and other popular Internet and computer activities by up to 40 percent without increasing power consumption. Thanks to faster, intelligent multi-core technology that applies processing power dynamically when needed most, the chips are claimed to represent a major advance in PC performance. Through a sophisticated on-die power control unit and using new power gate transistors based on the advanced 45 nanometer, high-k metal gate manufacturing process, the special Turbo Boost technology automatically adjusts the clock speed of one or more of the four individual processing cores. The latest proprietary power-saving technologies are also incorporated. Designed with Hyper Threading technology, the new processor also allows multiple computing threads to run simultaneously. As a result, the quad-core processor is said to deliver eight-threaded performance. (Photos available)

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Hall: P33, Stand

### **Built-in security and remote management technology (623)**

According to Intel, the latest notebook and desktop PCs with their V-Pro technology build on proven capabilities to enable greater proactive security, enhanced maintenance, and improved remote management both inside and outside the corporate firewall. PCs with this set of features reportedly deliver down-the-wire security and manageability capabilities, even if the power is off, the operating system is unresponsive, the software agents are disabled, or hardware has failed. With a secure tunnel for communications, IT managers are apparently able to securely maintain, update and repair PCs even on an open-wired LAN outside the corporate firewall. In addition, new optional Anti-Theft (AT) technology for notebooks helps protect encrypted data from unauthorized access if a system is lost or stolen. OS and application streaming is also supported, as well as traditional virtualization with multiple operating systems. The latest PCs with the technology are claimed to deliver significantly improved 64-bit multi-core performance for computer-intensive tasks and include fully integrated powerful graphics support, all within in a power-efficient package that is Windows Vista-ready. (Photos available)

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## Communications

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Hall: P33, Stand

### **Cable management software for networks (586)**

Cable-Scout is described as a powerful and universally applicable cable management system that allows the professional documentation, administration and planning of copper, optical fiber and broadband networks ranging from the supra-regional site down to the signal layer of each fiber or wire. According to Jo Software, the system supports all known network topologies and transmission techniques and allows management at logical, physical or virtual levels. It is equipped with a broad range of functions and graphical representation options, yet reportedly remains user-friendly enough for less-trained staff to operate effectively. Recorded information from anywhere in the network is said to be accessible within seconds, and the user can thus respond quickly to any question related to daily network operation. Up to 70 percent of network administration costs can apparently be saved through the information provided. According to the German developers, the solution is already well-established on the WAN market with many noted companies and public services as users. (Photos available)

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Hall: , Stand



## Communications

### **Category 6A-shielded, die-cast keystone jack (638)**

Hsing Chau will be presenting a new 90° Category 6A-shielded, die-cast, tool-less keystone jack. It is said to be RoHS-compliant and meet the Ansi/TIA/EIA-568-B.2-10 requirements for augmented Category 6 channel and permanent links. Further standards met are Amendment 1 to ISO/IEC 11801 second edition and Cenelec EN 50173-1 requirements for augmented Class E channels and permanent links and TIA/EIA/IS-968 (FCC part 68) and IEC 60603-7-5 requirements for RJ45 eight-way connectors. The keystone jack is apparently compatible with both T568A and T568B wiring schemes. The manufacturers highlight the fully automatic production of the PCB assembly to ensure production consistency and the fully automatic quality inspection for highest quality assurance. Guided wire pre-sorting technology helps ensure proper installation. There is a user-friendly IDC design to separate twisted-pair wires easily. The product is seen as compatible for 24-port applications in 1U heights and has been designed to easily snap in and out of wall outlets, patch panels, and surface boxes. It is claimed to provide a faster and easier way to terminate all wires without a punch-down tool. (Photos available)

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Hall: 013, Stand D86

### **CATV carrier to introduce triple-play service (559)**

A new residential gateway from CTS is a six-port 10/100/1,000 Base-T and one-port 1,000 Base-X Uplink with two-port FXS VoIP and optic TV RF receiver. The product is designated VRG-31612 W2X-RF. Connection Technology Systems describes it as an SNMP, Telnet and fiber-optical residential gateway with web-based management that has been designed for FTTH triple-play applications. For the network side, the gateway equips two fiber-optic ports. One is for the TV RF signal connection to the head end of CATV and the other is for the VoIP and data on the Gigabit Ethernet. For the local side, the device provides six TP ports for LAN applications, two FXS ports telephony and a CATV coaxial cable connector for NTSC/PAL TV sets. It is said to be fully compliant with IEEE 802.3, 802.3u, 802.3ab and 802.3z standards. The installation and operation is reportedly simple and straightforward. The standard SNMP management as well as the web-based management makes it seen as making it an ideal choice of CATV carrier to introduce triple-play service. (Photos available)

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## Communications

Hall: , Stand

### **Center delivers audio, video and data to TV sets (49)**

The Planet DMA-200 Digital Media Center is billed as advanced customer premises equipment (CPE) for delivering streaming audio, video, and data directly from the network or Internet to TV sets or home entertainment systems. Once a local area network or Internet connection has been set up, users can sit on the sofa and use the remote control to search through and enjoy their favorite pictures and movies or surf the web without using their computer or home entertainment system. Besides connecting a PC/NAS with the network, USB devices can be linked to access and play media files via the user-friendly On-Screen Display menu. In order to meet the demands of surfing Internet on TV, the center provides web browser, Bit-Torrent download and Internet radio functions. The exhibitors say there is support for standard and High-Definition video, audio/video playback, web browsing and various media applications. (Photos available)

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Hall: , Stand

### **Central monitoring server for 500 video recorders (321)**

A new product on show from Throughtek will be their CMS 500, a CMS (Central Monitoring System) server for 500 Hybrid DVRs (Digital Video Recorders). The server provides web-based event monitoring and authorization management functions. The solution can reportedly control more than 500 of the company's hybrid recorders and has functions such as recording, connection, motion detection, and hard disk storage. According to the manufacturers, the authorization for channel viewing can be easily carried out with just a few clicks. (Photos available)

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## Communications

### **Certified VoIP gateway for new Microsoft platforms (155)**

Office Master Gate from Ferrari Electronic is a media gateway that integrates the traditional world of telephony (ISDN) with the new IP-based Microsoft platforms Exchange Server 2007 and Office Communications Server (OCS) 2007. The company reports that its hardware plays a key role as a reliable interface in this new infrastructure. As the exhibitors explain, their certified gateway provides efficient access to the interesting Unified Messaging services provided by Exchange 2007 and enables worldwide telephony with OCS 2007. According to the homepage, the box is available in different versions depending on the communication volume with two or eight ISDN channels as well as in 19-inch variants with 30 or 60 ISDN channels. (Photos available)

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Hall: , Stand

### **Cluster core router with 10 Tbps switch capacity (669)**

The NE 5000E Cluster Core Router on show from Huawei is reportedly based on industry-leading router cluster technologies and offers a new solution to the IP network transformation of carriers. With what is claimed to be the industry's first 10 Tbps switch capacity and forwarding performance architecture, the system meets the requirements of new-generation networks in terms of bandwidth performance, service quality, and service provision capabilities. As the exhibitors maintain, the system implements the industry's innovatory ISHE (In-Service Hardware Expansion), which can be expanded from 1.28T to 80T without any hardware replacement and should meet the demands of constantly-growing business requirements with its highly flexible scalability. Moreover, the system adopts ASIC-based core chips that can reportedly reduce power consumption by over 40 percent. By virtue of its 10 Tbps capacity, its very flexible expansion mode and top green design, the cluster core router is seen as structurally reducing the Total Cost of Ownership and satisfying network integration requirements in the so-called All-IP era.

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## Communications

### **Compact platform for single-/multi-mode fiber tests (567)**

One of the latest products on show from Exfo Electro-Optical Engineering will be their FTB-200 compact platform that combines single-mode and multi-mode fiber testing functionalities. It is deemed ideal for FTTx, metro/access and long-haul network testing. The small, light platform accommodates two field-interchangeable modules ranging from OTDRs and loss testers to Sonet/SDH and Ethernet analyzers. It is reportedly compatible with any of the company's industry-renowned OTDR modules, which are claimed to offer the shortest dead zones available, with the FTB-3930 multi-test module (OLTS), the FTB-8105/8115/8120/8130 Transport Blazer next-generation Sonet/SDH test modules, and the FTB-8510/8510B and FTB-8510G Packet Blazer Ethernet test modules. New software functions have been incorporated for simpler, faster OTDR testing. The device has been designed for the field in that it is both lightweight and compact as well as resistant to shock, water, dust, and common chemicals. There are door panels for extra port protection. It is seen as an optimal battery-powered solution for Sonet/SDH, Ethernet, loss and OTDR testing. (Photos available)

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### **Compact three-phase power protection units (655)**

The new Smart-UPS VT units from APC are described as compact three-phase power protection solutions with scalable runtime for small data centers and other business-critical applications. The Uninterruptible Power Supply now includes parallel capability while still maintaining the same features, benefits and reliability as the original range. The new devices with parallel capability enable up to four UPS units to be connected together, which allows capacity to be added as needed over time or paralleled for redundancy. The parallel operation is available in 10 to 30 kVA 208 V and 10 to 40 kVA 400 V. (Photos available)

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Hall: , Stand

## Communications

### **Comprehensive IP telephony solution for SoHo (470)**

The Vigor IPPBX 2820 from Draytek is an enterprise-level and multi-location IP telephony system for small and home offices (SoHo). The exhibitors highlight the embedded browser-based administration functions for multiple IP-based phones located under different LANs. The simplicity is said to be in contrast to costly services charged by legacy PBX vendors. The system delivers a new architecture for flexible extension-logic communications by using the Session Initiation Protocol (SIP) to establish voice connections between users. Moreover, the ISDN/PSTN compatibility allows moving from a simple VoIP solution such as IP phone and Softphone to integration with a comprehensive networking infrastructure such as ISDN and analog phone lines. In addition, the voicemail to e-mail functionality facilitates immediate responses to important messages even when away from the office. Further key merits lie in the WMM (Wi-Fi Multimedia) support, the hardware encryption, the dual WAN and USB 3.5G backup and load balancing, and the USB storage capability that can also serve as a FTP or media-sharing server while the operator is away. (Photos available)

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Hall: , Stand

### **Cooling solutions with row-based technology (652)**

APC will be introducing its new Inrow RD and RC cooling solutions, which are said to maximize availability and improve cooling predictability. They incorporate the company's sleek in-row concept that closely couples the cooling to the source of the heat generation, thus preventing exhaust recirculation to sensitive IT equipment. The RD family is a new version of the advanced row-based, direct-expansion cooling solutions for wiring closets, server rooms, and data centers. The air-cooled, 600 mm wide units are capable of handling IT loads that range from 10 to 37 kW. The air conditioners have apparently been made for the customer who has yet to dabble with high density but still desires the advantages and efficiencies that the cooling technology has to offer. The RD cooling solution is a Direct Expansion air conditioner that comes in air-cooled and fluid cooled versions. This reportedly allows for great flexibility and savings on installation as well as operation. Fully designed to meet requirements in closet, server rooms and small data center applications, the devices are 600 mm wide units capable of cooling up to 70 kW of load. (Photos available)

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## Communications

Hall: , Stand

### **Copper, VDSL-2, ADSL-2+ and IP triple-play test set (565)**

The AXS-2001635 is a copper, VDSL-2, ADSL-2+ and IP triple-play test set that combines multilayer 30 MHz copper spectrum testing and VDSL-2 speed verification with backward compatibility to ADSL-1/2/2+ and triple-play testing. The Canadian exhibitors from Exfo Electro-Optical Engineering point to the multilayer copper, DSL and triple-play analysis for minimized Capex and Opex and the affordable triple-play testing over VDSL-2 and ADSL-1/2/2+, including Ethernet in/out operation for FTTx deployments. In addition, the set conducts 30 MHz spectrum analysis for single-ended VDSL-2 to reduce truck rolls and DSL, IPTV and VoIP service assurance using a comprehensive range of metrics such as DSL link speeds, a multilayer fault analysis histogram, MDI, and IP packet loss and jitter. There is also VDSL-2 and ADSL-2+ Annexes A, L and M support to ensure optimum network flexibility. (Photos available)

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Hall: 013, Stand B48

### **Cost-effective IP camera for home automation (318)**

Throughtek will be presenting what they describe as the most cost-effective IP camera for entry-level surveillance. As the manufacturers maintain, the CGJ 100 system can be easily added to an existing Ethernet. The standard package comes with powerful software that provides live viewing, video recording, and playback functions. Together with Hybrid DVR (HVR 104), an optional accessory, the solution reportedly provides exclusive functions such as 3G cell phone monitoring and instant monitoring through MSN messenger services. (Photos available)

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Hall: , Stand

## Communications

### **Data center power and cooling assessment service (653)**

APC has launched a new data center power and cooling assessment service. The service provides an assessment and analysis of a data center facility and critical physical infrastructure components, including the power systems, cooling systems, and rack configurations. As is explained, the company supplies its customers with the information necessary to manage their facilities for optimum performance in order to extend the life of their hardware and strive for the highest level of network availability. The energy efficiency assessment service provides an analysis of the critical power and cooling systems so as to determine the operating efficiency of the complete data center. In addition, the data center is benchmarked against the expected values of efficiency based on the inherent design, and against other similar data centers. The projected efficiency under changing IT loads is also calculated. As the exhibitors point out, the service provides an accurate assessment of the factors limiting the achievable efficiency of a data center and makes recommendations for changes to maximize efficiency, while still maintaining availability. (Photos available)

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Hall: , Stand

### **Digital video recorder with MSN Messenger support (320)**

Throughtek will be explaining the benefits of their new Hybrid DVR (Digital Video Recorder) that reportedly comes with many advance functions. The HVR 236 can be connected to a LCD TV or monitor by a VGA connector. The video can be recorded in the Mpeg-4 format. The solution also supports 3G cell phone monitoring or IE browser monitoring. In particular, it also supports the MSN Messenger application. As a result, users can view live video through MSN. (Photos available)

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Hall: , Stand

## Communications

### **Dual-monitor dual-link DVI KVM switches (326)**

The Dual-Monitor Dual-Link DVI KVM switches to be featured by Uniclass are said to provide clear and crisp video output to share two large-sized LCD monitors among multiple computers. The company offers a full range of dual-monitor KVM switches with all kinds of combinations over video interfaces (DVI/VGA), with two, four and eight ports, with stereo and 7.1 surround sound channels, as well as USB hub ports and two split consoles for extra monitoring capacity. These switches are said to cater to specific high-profile needs in video editing studios, financial brokerage firms, CAD/CAM design firms, and high-end video gaming sessions. With all the varieties and diversity on offer in the series, all kinds of requirements are seen as covered by the manufacturers. Support for HDCP and advanced keyboard mouse emulation is also incorporated. An optional Bluetooth mouse and keyboard port is also available for use in high-profile video gaming.

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Hall: 013, Stand D73/1

### **Easily exchanged cable distribution cabinets (37)**

The exhibitors from Sichert say they will be highlighting their horizontally dividable cable distribution cabinets MFG 08 and Sicab 18 at the fair. According to the manufacturers, the outdoor multifunctional cabinets can be exchanged in the event of damage by lifting them out without any interruption of telecommunication or data services and without the need for excavation. As is pointed out, the cable in the ground and the electronic components installed in the cabinet remain untouched in such an exchange procedure if they are undamaged. (Photos available)

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Hall: , Stand



## Communications

### **Economic energy supply for IT cabinets (488)**

As part of its infrastructure solutions for server and computer centers, Dätwyler Cables offers its EcoBus flat-cable safety system for a comprehensive, flexible energy supply to IT cabinets. According to the company, the system can be easily integrated into all cable conduit systems. The energy can be supplied to or tapped from the flat cable at any point, without the cable being interrupted. The fuses offer good selectivity and are positioned directly at the end-user terminals. For new installations and extensions, the cabling costs are said to be reduced by up to eighty percent. By replacing the many single cables with the solution, the power supply is claimed to be far more effective and durable. (Photos available)

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Hall: 012, Stand B82

### **Eight- and sixteen-port Category 5 KVM switches (435)**

Aten will be exhibiting two new Category 5 KVM (Keyboard, Video and Mouse) switches for server rooms from its Altusen line of enterprise KVM solutions. The flexible KH 2508 and KH 2516 are two-console, eight and sixteen-port switches that feature multi-user support for server management in large companies. On their rear panel, they provide two cascading ports, which are scalable without requiring specialized cascade cables or additional modules. Additional switches can be easily joined in a cascade formation at up to three levels. As is explained, both consoles connected to the master switch have simultaneous access to any server on the same level and also have independent access to any server in the installation. Non-blocked cascading allows both consoles on the master switch to access up to 1,024 servers. On the other hand, through the traditional cascade installation, the devices can expand capacity to control up to a maximum of 512 or 4,096 servers. The combination of KVM adapter cables with a Category 5 KVM switch reportedly enables users to flawlessly integrate previously incompatible console and server platforms. (Photos available)

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Hall: , Stand

## Communications

### **Elegant, flat text information displays (222)**

Bürk Mobatime will be demonstrating their Character network-capable text information displays. The convenient operation and the wide range of display possibilities are said to make the displays attractive for different purposes or areas. As a standard function, they can be synchronized and operated via a LAN network. In addition, they also enable event-controlled operation (task management) and can be used, for example, as failure message displays. Further special features include a simulation mode for the offline programming of the display and storage capacity for up to 400 pages and 16 different presentations. (Photos available)

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Hall: 012, Stand C06

### **Encrypted VoIP in accordance with the ZRTP protocol (472)**

Draytek maintains that when people think about the IP telephony Voice-over-Internet Protocol (VoIP), their main concern is eavesdropping on their calls. Indeed, situations like business espionage and the criminal infringement of personal data have got worse since the era of the traditional telephone network. As a result, encryption is one of the key security technologies for transmitting data packets along the backbone or via the Internet. The exhibitors have deployed several varieties of VPN encryption to prevent any opportunity for eavesdroppers. Before VoIP packets are transmitted, the activation of a VPN (Virtual Private Network) can protect VoIP packets from being hijacked. With more and more IP telephony, the company is designing encryption for VoIP packets in accordance with the RFC 3261 draft for the ZRTP cryptographic key agreement protocol. This protocol reportedly provides confidential protection against man-in-the-middle (MiTM) attacks through establishing Secure Real-time Transport Protocol (SRTP) sessions. As is pointed out, a good thing about it is that it protects the data packets since the conversation started without going through a VPN setup procedure. (Photos available)

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Hall: , Stand

## Communications

### **Energy-efficient CPUs from 45 nm manufacture (622)**

The Intel Xeon processors are billed as the leading x86 server and workstation processors based on the Intel Core micro-architecture. The Xeon chips are currently available with two (Dual-Core), four (Quad-Core) or six processing cores in clock rates from 1.6 to 3.4 GHz. The CPUs are claimed to provide top performance and optimal energy efficiency, with a power consumption rate for the latest Quad-Core Xeon 7400er processors of less than 50 watts. Servers based on the CPUs are seen as the ideal choice for data-intensive applications, such as in e-mail and file servers, in web servers, and in database and enterprise infrastructure applications or data centers. The platform also integrates Fully Buffered DIMMS (FB-DIMMs), the I/O Acceleration technology, or the Intel Virtualization technology (Intel VT). The new products are based on the company's 45 nm high-k metal gate silicon technology. A manufacturing breakthrough has been claimed by using a combination of new materials including hafnium-based high-k gate dielectrics and metal gates. The 45 nm technology apparently enables great performance leaps, up to 50 percent larger L2 caches, and new levels of energy efficiency. (Photos available)

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Hall: P33, Stand

### **Enhanced monitoring and troubleshooting platform (481)**

Network Instruments says it cuts time-to-resolution and provides deep application performance analysis with its Observer 13. The enhanced monitoring platform couples real-time network health views with root-cause analysis. The development provides IT managers with complete network visibility and the tools needed to identify, investigate and resolve problems from a single solution. Troubleshooting can be carried out in real-time or retrospectively to reduce mean-time-to-resolution (MTTR) and increase network performance. Features include the new real-time Top-N enterprise-wide visibility through ORS Net Live, single-click root-cause analysis from application-level ORS reports, and a new Gigastor file structure optimized for faster data mining and RNA (retrospective network analysis). The Net Flow scalability supports up to 512 Net Flow devices per collector. There is also expanded support for the 802.11n wireless standard and OC-3/12. As the exhibitors explain the advantages of the solution, troubleshooting complex applications in addition to traditional network issues requires tools that can effectively analyze end-to-end application transactions. (Photos available)

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## Communications

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Hall: , Stand

### **Ergonomic, low-consumption cordless Dect phone (120)**

Tiptel.com will be introducing a new ergonomic, cordless Dect telephone. The Ergo-Voice XL1 is said to offer good readability due to its large illuminated display and comfortable telephony through hands-free operation and illuminated keys. Features include the identification of callers via IP display and an especially loud ringer that cannot be overheard. The standby time is given as up to 100 hours and the call time up to ten hours. Security is provided by pin-protected room monitoring. Easy volume adjustment can be effected by special keys on the side of the phone. The product reportedly has low power consumption and reduced radiation thanks to its Eco mode. (Photos available)

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Hall: , Stand

### **Ergonomic sound booster using bone conduction (354)**

As the exhibitors from M Tech point out, traditional hearing aids work by amplifying the sound transmitting to the eardrum, but the amplified sound can enhance the damage to the eardrum. The company's E268 sound booster, however, generates no electro-magnetic waves and transmits the sound directly to the auditory nerve through the vibrations of the facial bones, and not via the eardrum. As is claimed, this technique lets the user hear clearly and prevents damage to the eardrum and any deterioration of hearing. The device is seen as ideal for the elderly and the hard of hearing, people who have damage to their eardrum in the lower and middle levels, and people who cannot wear traditional hearing aids for any reason. It is also deemed the perfect solution for people who have outer and middle ear problems, congenital defects of the pinna, otitis media, otosclerosis, nasopharyngeal carcinoma, or damage caused to the middle ear by radio therapy. The sound booster is described as safe and reliable and suitable for extended use. The product also has a comfortable, ergonomic design that relieves the ears of stress. (Photos available)

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## Communications

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Hall: 016, Stand A02

### **Ethernet power and data switching in one device (48)**

One of the exhibits from Planet will be an effective centrally managed solution combining power, Ethernet and traffic classification. According to the company's report, the SGSW-2840P switch features Power-over-Ethernet (PoE) and high-performance Ethernet switching capability, which optimizes the installation and power management of network devices such as wireless access points, Voice-over-IP phones, and security video cameras. As is pointed out, PoE capabilities reduce installation costs for many new network productivity devices. Moreover, power and data switching are integrated into one unit and delivered over a single cable, thus eliminating costs for additional AC wiring and reducing installation time. The product frees wireless AP deployment from restrictions due to a lack of power outlet locations. (Photos available)

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Hall: , Stand

### **Fan tray unit for racks with high-rtae extraction (759)**

Casbar is specialized in the manufacture of outdoor cabinets, 19-inch racks and cabinets, underground containers, ETSI racks and sub-racks. The Spanish company will be presenting their FTU (Fan Tray Unit) range of ventilation units for indoor and outdoor cabinets with high-capacity extraction and alarm systems for break-out or offline fans. The products can reportedly be powered at different VAC or VDC rates, for instance 36 to 60 VDC. Made of polycarbonate with mineral fiber technology, they are said to manifest a low noise level of 38 dBm and a high extraction capacity of 3,247 cubic minutes per minute per fan at a competitive price. The ETSI version with four fans extracts more than 12,000 cubic meters per minute and a 19-inch version with three fans achieves higher than 9,000 cubic meters per minute. An alarm stops fan functioning and sends a warning tight when the fan is broken. The working range is given as -10°C to +70°C. (Photos available)

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## Communications

Hall: 012, Stand A16

### **Flexible telephone systems with notification (210)**

With its newly designed Compact series, Auerswald says it proves how flexible even smaller telephone systems can be. The systems have four analog extensions and will apparently be offered in three variants for ISDN, analog and VoIP trunk lines. Separate answering or fax machines are claimed to be obsolete due to the integrated notification system of the new hardware. As the German company explains, incoming calls and faxes are forwarded immediately via e-mail, RSS feed or telephone call. The ready-to-use cabinets reportedly make setup very easy thanks to plug-and-play capability, even without a computer. If a network is on hand, the telephone systems are connected using the LAN port. All three variants offer two integrated VoIP channels, which can be released for use as needed, as well as the possibility of expanding the system with two more VoIP channels, two analog ports, or one internal S0 port for ISDN terminals. The integrated PPPoE clients of the new 3000 series are claimed to make optimal use of the bandwidth necessary for telephony.

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Hall: 012, Stand C36

### **Four-port managed Ethernet switch for expansion (558)**

Connection Technology Systems will be exhibiting their new ESH-3105 FX/W2X switch. The device is a four-port 10/100/1,000 Base-T managed Ethernet switch with one-port 1,000 Base-X Uplink that adapts the company's emerging technology and is able to expand a copper-based network to fiber and the distance from 100 m up to 100 km through an optical fiber. In addition, a built-in switching ASIC has reportedly turned the functionality of the device into that of a five-port switch. According to the Taiwanese company, the users can double their existing optical fiber bandwidth and upgrade their existing 10/100/1,000 Base-T network easily and more cost-effectively. The switch is said to be fully compliant with the IEEE 802.3, 802.3u, 802.3ab and 802.3z standards. The installation and operation procedures are claimed to be straightforward and diagnostic LEDs located in the front panel indicate the real-time operating status. (Photos available)

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## Communications

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Hall: , Stand

### **Full entertainment system for hotels and hospitals (204)**

Nivo is a new advanced entertainment system from Nonius for the hospitality and healthcare market that includes a full-featured set-top box and a server that hosts all services and feeds the interface with several sources of external media. It offers a full range of services such as free TV, pay-per-view, video-on-demand, radio, interactive shopping, community or service information, Internet access, people localization, and CCTV integration. As the developers insist, it transforms the hotel TV experience at a realistic cost of investment. The combined IPTV solution enables complementary services in the florist, hairdresser, massage, tour or rent-a-car domain, serves as a games console and a personal media reader and player thanks to its USB interface, supports SIP phone integration, and allows cleaning service sign-offs. Further functions include radio, which allows the selection from a set of predefined radio channels, digital video recording, video-conferencing, and self-scheduled TV viewing. CCTV content of relevance to the user such as front door activity can be observed and the integration with the company's WG-WPS system allows child location in a resort. (Photos available)

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Hall: , Stand

## Communications

### **Full line-rate GbE capture and injection solution (480)**

Cace Technologies has released Turbo Cap as an inexpensive, full line-rate Gigabit Ethernet (GbE) capture and injection solution for Windows platforms. Based on a dual-port GbE board, the solution comes with an optimized Windows driver that supports full-rate GbE capture and injection. The software distribution includes the driver, manuals, and a developer's package, which is designed for users interested in developing own applications based on the API and includes a large number of sample applications. A key application included is dump-to-disk, which has been optimized for high-speed capture to disk. The product is described as unique in terms of its feature set and price point. Its ability to support simultaneous full-rate Gigabit capture on both ports with precise timestamps and per-packet meta information, to support full-rate aggregation of the traffic received on both ports of the same board, and to replace a hardware aggregating tap is said to make it a very interesting and affordable alternative to many similar capture and tap options on the market. (Photos available)

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Hall: , Stand

### **Gigabit Passive Optical Network with 10 Gbps (447)**

Huawei in Taiwan reports that its 10G Gpon (Gigabit Passive Optical Network) is the first standard system of its kind that is compliant with FSAN NGA (the Full-Service Access Network - Next-Generation Access task group) and has a data rate of 10 Gbps downstream and 2.5 Gbps upstream. The system coexists with the current Gigabit Passive Optical Networks and is said to be compatible with current 2.5G optical distribution networks and platforms. According to its developers in Taiwan, the solution realizes smooth migration from a current network and fully guarantees investments made in legacy networks by providing four times the bandwidth.

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## Communications

### **Handheld, multifunction xDSL line qualifier (909)**

The cable measurement specialists in Budapest present their ELQ 2+ xDSL Line Qualifier, a handheld multifunction measuring instrument designed for qualification and fault location of balanced copper pairs in the 0.2 to 2,200 kHz range. As is explained, to qualify a pair, end-to-end measurements with two instruments have to be made in master-slave arrangement. Thanks to the communication between the two instruments, a single person can apparently perform such measurements with the unit. Operation is reportedly simplified by means of pre-defined automatic test sequences. Tolerance masks of cable parameters such as Loss, LCL (Longitudinal Conversion Loss), Next and Fext (Near- and Far-End Cross-Talk), Impedance, Return Loss and the principal system parameters are pre-programmed for more than 50 xDSL systems. The operator can also create new template sets with the parameter editor. When the automatic test sequence is ready, the instrument provides immediate pass/fail indication by comparing the test results with the tolerance masks and calculates the achievable data rate. For fault location, a DC-AC bridge and TDR (Time Domain Reflectometer) are also provided. (Photos available)

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Hall: , Stand

### **HDMI A/V extender for Digital Signage solutions (988)**

The HD Spider series from Digital Data Communications offers a wide range of HDMI Category 5 senders and receivers. Five extenders can be chosen from to build a flexible network to send high-quality HDMI signals over large distances. One of these, the HVE-9003 HDMI Cat5 sender is billed as a versatile and robust device that is deployed at the HD source and generally connected to a HD player, Play Station 3, or X-Box 360. It accepts the HD signal from the HDMI source and then uses a Cat5 cable to send the HDMI signal to the receiver. HDMI signal transmission is apparently possible over 60 meters at a full 1,080 dpi resolution. The sender also functions as a receiver, also works with Cat5e and Cat6 Ethernet cables, and is said to be fully adaptable to any network configuration. As is also stressed, an infinite number can be cascaded in an A/V network to provide a cost-effective, long-range HDMI solution. A local HDMI port allows an additional monitor to be placed next to the device. The manufacturers further point to the support for 7.1 Dolby Digital Plus and for HDMI EDID (Extended Display Information Data) as well as the HDCP compliancy. (Photos available)

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### **High-density media converter centers with 18 slots (561)**

The HCIII Chassis from CTS is described as a 4U high-density, 18-slot, 19-inch, rack-mountable, IEEE 802.3ah chassis with in-band SNMP base management. The new chassis is said to be typically suitable for wiring centers. All slide-in converters are hot-swap-supported. Like the company's CIII model, it features the proprietary in-band SNMP management that includes local and remote management functions, remote loop-back tests and diagnostics to identify cable and remote device status, and a remote power-down trap function. Further features include bandwidth control and the RMON monitor to supply network administrators with comprehensive network fault diagnosis, planning, and performance tuning information. The chassis is said to be fully compliant with the IEEE 802.3 and 802.3u standards. The installation and operation procedures are claimed to be simple and straightforward. (Photos available)

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Hall: , Stand

### **High-performing, four-port VPN security gateway (539)**

The G.SHDSL.bis VPN (Virtual Private Network) router from the Proscend 6200 series is headlined as a high-performance, four-port security gateway that provides Internet access and LAN-to-LAN applications over existing copper lines for small and medium-sized offices. Reportedly complying with the ITU-T G.991.2 (2004) standard, the series makes full use of the advanced G.SHDSL.bis technology to offer data transmission rates of up to 5.696 Mbps in two-wire mode and 11.392 Mbps in four-wire mode. The VPN router is also integrated with high-end bridging and routing capabilities, including the advanced functions Multi-DMZ, virtual server mapping, and VPN pass-through. As the exhibitors point out, due to the rapid growth of networks, Virtual LAN (VLAN) has become one of the major new areas in the Internet-working industry. The products in the series additionally support port-based VLAN and IEEE 802.1q VLAN over ATM networks. (Photos available)

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Hall: , Stand

### **High-speed Ethernet first-mile services via SHDSL (540)**

The Proscend 5600 series EFM (Ethernet in the First Mile) network extender has been developed to provide bonded high-speed Ethernet first-mile services over SHDSL on an existing copper infrastructure. The appliance is a bridge-mode modem that delivers Ethernet services with symmetrical bandwidth at rates of up to 22.8 Mbps. Reportedly based on IEEE 802.3ah EFM standards for advanced performance and management features, the series is said to ensure high reliability, low expenses, and maximum throughput. As the exhibitors explain, the introduction of EFM copper bonding technology allows the delivery of higher bandwidths to longer distances over multiple copper pairs, thus presenting a good alternative in places where fiber is not economical to deploy. The Ethernet-pure solution on show is claimed to offer seamless integration into both today's and tomorrow's networks. (Photos available)

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Hall: , Stand

### **Hosted voice and converged services facility (443)**

Redwood's sister company, Content Guru, in conjunction with its network partner Cable and Wireless, owns and operates Storm, which is described as Europe's largest and most sophisticated hosted voice and converged services facility for service providers. The service reportedly incorporates state-of-the-art IVR (Interactive voice Response), SMS, MMS, video and VoIP capabilities. It extends to 30,000 ports of trunk and SIP interactive capacity, allied to powerful, resilient database and content management facilities. From its UK base, the solution processes traffic originated and terminated around the world. According to the English exhibitors, it features class-leading live and historic stats interfaces for its service providers, coupled with self-service application development and partitioning for business, consumer and media applications. (Photos available)

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## Communications

### **Industrial Ethernet switch with switching recovery (51)**

The Planet ISW-1022M Managed Industrial Ethernet switch is an industrially hardened Ethernet switch that has been specifically designed to operate reliably in electrically harsh and climatically demanding environments. It incorporates redundant data ring technology and a redundant power supply system into the industrial automation network to enhance system reliability and uptime in the harsh factory environments. The switch is said to protect industrial network connectivity with its switching recovery capability. The device features an IP30 aluminum case and eight 10/100 Mbps Fast Ethernet ports as well as 2 Gigabit TP/SFP combo interfaces. According to the manufacturers, the Gigabit fiber optical uplink capability is able to guarantee the throughput to all nodes hooked into the network and the distance can be extended up to above 120 kilometers with an SFP module. (Photos available)

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Hall: , Stand

### **Inexpensive inline Gigabit network analyzer (482)**

Psiber Data Systems announce the launch of a handheld network analyzer called Lan Expert that features protocol analysis, packet capture, traffic generation, cable testing, and IPv4/IPv6 support. The device utilizes a color touchscreen interface to access what is claimed to be one of the most complete suites of test and analysis functions available in a portable test tool. The inline mode allows users to non-intrusively monitor network traffic (10/100/1,000 Base-TX) to identify protocols, port usage, VoIP statistics, and network utilization. Up to 10,000 packets can be captured and stored with user-defined filters for detailed analysis in the field or downloaded over the network or to a USB flash drive. Using either RJ-45 port, tests including Ping, Link, Trace Route, DHCP and Discovery are used to quickly identify network problems. The instrument can generate up to hundred-percent traffic loading with control of packet rate and size to demonstrate network performance at various traffic levels. The product is seen as an essential tool for installing, maintaining, upgrading, troubleshooting and optimizing complex and constantly changing networks. (Photos available)

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Hall: , Stand

### **Instrument set for testing high-speed access lines (910)**

The EFL 10 and ETDR 10 from Elektronika Telecommunications Test Equipment comprise an instrument set to test the quality of access lines and locate faults in telecom cables. The former unit is described as an active bridge for the accurate location of DC/AC faults and for resistance and capacitance measurements. The latter device is a time domain reflectometer (TDR) for locating low-impedance faults and splits causing cross-talk between the pairs. Both instruments are small-sized, handheld, battery-operated appliances. According to the Hungarian company, the test set enables all the relevant parameters of balanced pairs to be quickly and comfortably measured. The test results can be stored in the instruments or transferred to a PC for subsequent processing. (Photos available)

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Hall: , Stand

### **IP KVM switches for constant remote access (324)**

The Prima IP KVM switches to be highlighted by Uniclass provide for remote access over the LAN or Internet IP network. The switches are said to be functionally versatile, robust and very secure. There is support for full 1,024-bit PKI authentication, 256-bit SSL data encryption, LDAP, Radius as well as Active Directory authentication, and Radius accounting. As is pointed out, the IP-based KVM switch is today regarded as a reliable solution to address the critical issue of around-the-clock server rack management with ready access for the administrator at any time and from any location. The company's switches are designed to offer cost-effective yet full-featured functionality under various different scenarios. They allow total control over the connected servers, from the pre-boot stage such as the BIOS-level CMOS setting up to GUI applications and daily maintenance routines like power cycling, whereby a power control unit is required in the last case. For remote access, users merely have to log in and download the viewer, and they can then become connected to several servers in seconds.

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### **IP system phone with USB stick answering machine (211)**

The Comfortel VoIP 2500 AB is a new IP-based member of the Auerswald system telephone family. With the same design and the identical feature set as the ISDN version, the device has been specially conceived for all those who want to enter the domain of IP telephony in a fast and simple manner. Since the computer network is used for making calls, every LAN connection can be used with the telephone, and the necessary electrical power is derived from the network. Offering multi-site support, the IP system telephone is said to easily integrate external extensions or distant areas into the telephony infrastructure of a head office. The German manufacturers claim that users will find no differences to the ISDN version either in terms of operation or speech quality. Equipped with the included USB stick, the functionality is extended to include a professional answering machine, whereby the maximum recording time is limited only by the capacity of the stick. (Photos available)

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Hall: 012, Stand C36

### **IP telephone in elegant design (123)**

The new Tiptel 83 VoIP is billed as an IP telephone in European, elegant design. It is ready for use as a system telephone in connection with the new VoIP-CP modules from the Tiptel.com system family. The product is therefore seen as ideally suitable for integrating a home office into the infrastructure of the company. Features include a telephone book with 100 entries for five telephone numbers (SIP accounts), programmable function keys and a headset connector. In addition to G.711a/μ, the telephone also supports the bandwidth-saving voice compression codecs G.723-r53/r63 and G.729. (Photos available)

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Hall: , Stand

## Communications

### **KVM and video switches and splitters for HDMI (327)**

As the exhibitors from Uniclass in Taiwan relate, the HDMI interface technology has been steadily gaining dominance in the entertainment sector. With high-definition video and multi-channel sound support, it has populated new generations of flat-screen TVs and large-size LCD display monitors. To address the needs for efficient management of HDMI display systems, whether they are HDMI-enabled computers, Blu-ray DVD players or any other HD video sources, the company offers HDMI KVM switches and HDMI video switches and splitters that facilitate the management of multiple HDMI sources or HDMI display devices. As the exhibitors put it, support for HDCP and Full-HD display capacities of 1,080 dpi serve to guarantee a true-to-life and entertaining audio and video experience.

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### **Lamp-type IP camera with power line module (317)**

The CLJ 100L is a lamp-type IP camera from Throughtek with a built-in PLC (Power Line Communication) module for instant installation. Thanks to this instant surveillance system, the digitalized video signal can apparently be sent via an existing power line. As the manufacturers point out, costly and ugly video cables are no longer required as a result. (Photos available)

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## Communications

### **Laptop USB KVM switch with dual PC control (434)**

Aten has announced the launch of its CS 661 laptop USB KVM switch. The compact, cable-like device offers direct control of two computers as well as fast and efficient file transfer. The KVM (keyboard, video and mouse) functionality is seen as ideal for laptop users who need to connect to two computers. As is reported, users can simply plug in and take instant control of a second computer. Key features include seamless file transfer between two computers using drag-and-drop, plug-and-play functionality, and access to USB 2.0 peripherals such as external storage devices. The device also adjusts the resolution of the remote desktop window to match the local computer monitor. The switch is deemed an optimal tool for small office and home office workers who typically require access to both a personal and business PC without the overhead and expense of a network. Conventional KVM functionality is provided without the need for software, remote desktops that require installation on every computer, a common network, and an IP address. Unlike software solutions, the product allows the transfer of large files directly between two computers without the need for network sharing. (Photos available)

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Hall: , Stand

### **Large, roomy shoulder bag for gadgets and laptops (789)**

Urban Tool has added the large and roomy shoulder bag Slot-Star to its range. The product is seen as ideal not only to safely store everyday gadgets like an I-Pod, camera and mobile phone, but also to hold oversized documents as well as all Mac Books and PCs up to 15.4 inches in size. Hard-wearing and water-repellant materials combined with light neoprene have been chosen to offer additional protection to precious electronic devices. (Photos available)

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## Communications

### **Managed Media Converter chassis with 16 slots (47)**

Planet has released a new Managed Media Converter chassis with its MC-1610 MR and MC-1610 MR48 series. The products provide 16 slots and one management system in a 19-inch rack chassis. The series has been designed for applications like FTTx installation for ISPs, telecoms, campuses and enterprises. Various types of optic connectors and fiber-optic wires on the distance basis are flexibly provided. The sixteen slots for optional FST-8 and GST-7 Fast/Gigabit Ethernet smart media converter installation reportedly allow a network solution of FTTH (Fiber to the Home), FTTB (Fiber to the Building) or FTTC (Fiber to the Curb) to be easily built. According to the Taiwanese manufacturers, the products satisfy diverse demands while providing reliable and efficient network solutions based on distance and installation budgets. Features include two power slots on the rear panel for redundant power support with options of 100 to 240 VAC or -48 VDC supplies, configuration options through console, Telnet, Web and SNMP, TS-1000 version 1 and version 2 OAM functions, and media converter link redundancy. (Photos available)

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Hall: , Stand

### **Micro-ATX board with Intel Q45 Express chipset (491)**

One of the displays from the industrial PC specialists at Portwell will be a new motherboard with the latest Intel platform for embedded applications. The Ruby-9720 in a Micro-ATX form factor is built with the 45 nm Intel Core 2 quad processor Q9400 and the Intel Q45 Express chipset. It is seen as an ideal solution for multiple applications such as POS, ATM, kiosks, gaming, and digital signage. Special design emphasis has been placed on enriched display interfaces that can support various multimedia devices and on enriched IO interfaces that can supply various power USB and power com devices. The dual display can be implemented by VGA, DVI and LVDS connectors. The third display can easily be deployed via ADD2 and a PCI-Express X4 expansion graphic card. The exhibit provides four 240-pin DIMMs that can support dual-channel DDR2 up to 16 GB. In addition, it comes with six SATA ports, three 5 V/12 V selectable-powered RS-232 ports, one RS-232/422/485 port and two RS-232 ports on a multiple I/O board, a high-definition audio codec, two standard USB ports, two 12 V USB ports, an extra five 12 V USB ports, one DVI port, one ADD2 slot, and one PCI-Express X4 slot. (Photos available)

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Hall: , Stand

### **Microwave radio systems with 108 Mbps capacity (372)**

The CFIP product family from SAF Tehnika in Latvia targets the growing demands for data transmission over microwave radio. The primary traffic interface of the products is Fast Ethernet, and they are also capable of delivering up to four E1 interfaces for legacy connectivity or any other use. Since the range is capable of providing up to 108 Mbps to all interfaces combined, it is seen as a perfect addition for higher capacity than PDH E3 without the need for STM-1 capacity. Apart from the full system capacity, it is possible to configure the radio to any of 7, 14 and 28 MHz channel bandwidths as well as to any of QPSK, 16 APSK and 32 APSK modulations, providing various capacities to suit particular needs. The company says it has deployed modern design solutions and components to create high-performance compact radio with low power consumption of 15 to 20 W per radio. The unit can be fed using PoE Plus (Power-over-Ethernet IEEE 802.3at). The exhibits are billed as a perfect building block for any modern future-proof wireless network, including mobile service providers, fixed data service operators, enterprise customers, and municipal and governmental networks. (Photos available)

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Hall: , Stand

## Communications

### **Mini-ITX motherboard with Intel Atom N270 CPU (492)**

Wade-8070 is a mini-ITX embedded board based on the Intel mobile 945GSE and ICH7-M chipset and the Intel Atom N270 processor. The motherboard has been developed to support multiple displays such as LVDS, VGA and DVI. In addition, it has also been designed to support triple displays via a PCI-Express X1 graphic card. The product is seen as an ideal solution for low-power and handheld mobile devices in applications such as portable POS, medical healthcare, mobile clients, media servers, mobile gaming, VoIP, set-top boxes, and digital signage. Other features include one SO-DIMM socket for DDR2 SDRAM, dual Gigabit Ethernet, two RS-232 serial ports, two Sata ports, one Mini-PCI socket, and one PCI-Express X1 expansion slot with low power consumption in a true configuration. Portwell says it has exploited the low-power technology to furnish a product that can meet requirements in the embedded market such as fanless or compact systems, while delivering a reliable, off-the shelf solution that is also cost-effective. (Photos available)

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### **Mini-PCI module for high-performance 802.11a (554)**

The WNC DCMA-86 high-power 802.11a mini-PCI module from Wistron works in the 5.8 GHz range and is said to provide stable high performance. The high-power design supports an average power of up to 25.5 dBm and, along with its heat sink design, delivers users with reliable and high radio power. According to the exhibitors, the module supports drivers for Windows 2000, XP and Vista as well as the Linux operating systems, and integrates the super A/G mode to allow high-speed connections with compatible devices. The device also features a power control dynamic range from 1 to 26 dBm with a minimum step of 0.5 dBm. Functions including smart selection, site survey and hardware radio on/off are claimed to answer various design needs. The 64-, 128- and 152-bit WEP, WPA and WPA-PSK encryption types are implemented and the module is apparently compliant with Wi-Fi, WHQL and RoHS. (Photos available)

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## Communications

### **Mobile broadband USB stick with rotatable connector (485)**

The E180 from Huawei is billed as an innovative HSPA (High-Speed Packet Access) USB stick that makes use of the company's technology of a rotatable USB connector. As is explained, the device can achieve speeds of up to 7.2 Mbps downstream and 5.76 Mbps upstream via its rotatable USB connector that can be turned 270 degrees. The design protects the connector from outside force by rotating it into different angles. The integrated structure of the USB connector and the stainless-steel casing makes it smaller and thinner and provides good protection. The mobile broadband USB stick serves to transcend boundaries with its worldwide coverage of HSPA/UMTS and GSM/GPRS/Edge networks, bringing instant access to wireless high-speed Internet for people in offices, at home, or on the move. Thanks to plug-and-play, when the stick is plugged into the USB interface on the PC or laptop, its driver will automatically finish installing in seconds. Moreover, the built-in Micro-SD card slot supports up to 8 GB memory cards, turning the device into a storage-stick for documents, music, or movies. Through its internal antenna, the product can connect to multiple band frequencies. (Photos available)

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### **Mobile processor with all-round improvements (621)**

The Intel Centrino 2 is said to contain advanced mobile technologies and achieve breakthroughs on all five vectors of mobility, namely performance, battery life, wireless, form factor, and manageability capabilities. Built with the innovative Intel Core micro-architecture, the processor family contains either the newly enhanced Core 2 Duo processor or the new Core 2 Quad processor. Both feature a 1,066 MHz FSB, high clock speeds, and new micro-architecture enhancements. For intensive HD content creation, the latter also provides two additional processing cores and a larger L2 cache of 12 MB for multi-threaded applications. Every component is said to integrate power-saving technologies. As the manufacturers claim, their engineers have adopted a special technique to maximize performance when needed and then get back to an idle state as fast as possible. The faster 802.11n connections and more options to connect wirelessly are also highlighted. Other features of the CPUs include native Blu-ray logo-capable playback so that users can enjoy HD movies on-the-go and the V-Pro technology that provides hardware-assisted remote isolation, diagnostics, and repair. (Photos available)

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### **Mobile-ready video footage over 3G networks (676)**

The Storm video-to-mobile solution allows the delivery of mobile-ready video footage over 3G mobile networks direct to video-enabled mobiles. As is explained, it is a hosted service, requiring no capital outlay, and it can reportedly be integrated fully into existing marketing management and communications systems. Sports highlights, corporate announcements, emergency information and video are said to make up a high-impact channel that drives the message home. The application turns video into a highly interactive medium, allowing users to respond and purchase immediately. Customers browsing movie times can be sent trailers and then routed directly to a mobile-enabled booking system. In addition, retailers can use video to drive targeted tactical promotions, generating instant responses, and travel companies can deliver footage promoting destinations to customers' mobiles, with options to book immediately. (Photos available)

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### **Modular distribution system for computer centers (487)**

For high performance and flexible cabling in server rooms and computer centers, Dätwyler Cables has developed a modular distribution system in addition to their pre-connected copper and fiber-optic trunk cables, by which a particularly high packing density can be achieved in the distributor housings. The system consists of two housing variants of one and three height units, available in stainless steel or with black lacquering, which are equipped with distribution boxes to terminate the thin trunk cables. The copper distribution boxes provide RJ45 ports at the front and, optionally, a Telco adapter or LSA plus contacts at the rear. The fiber-optic boxes provide an MPO adapter as rear input and an internal fiber duct to the front side FO ports, such as LCD, SCD, and LSH-C. APC variants are also available upon request. Using the modular high-density system, it is reportedly possible to complete up to 48 pre-terminated fiber-optic or copper ports per height unit, even in a composite layout, if required. (Photos available)

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Hall: 012, Stand B82

### **Modular, multi-radio wireless mesh networking (7)**

The Dutch-based European distributors for Strix Systems will be presenting the latest multi-radio wireless mesh networking equipment deployed in the public safety, industrial, municipal, rapid transit and large business sectors. As the company points out, the combination of video-over-IP and broadband mobility eliminates all obstacles to deploying real-time surveillance. Ideally, the network that delivers high-speed broadband mobility would also offer high reliability at a low cost in large-scale deployments. In the view of the exhibitors, the only solution that meets these demanding criteria today is the convergence, capacity and coverage made possible with a modular, multi-radio wireless mesh network. Whereas previous generations of mesh networks have reportedly only supported mobility in a limited way or not at all, solutions such as the Access/One from Strix Systems is claimed to overcome these limitations to enable broadband mobility on a large scale and at highway speeds and faster. (Photos available)

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Hall: 013, Stand B60

## Communications

### **Monitoring device for power distribution networks (895)**

The Casbar DPU Power Distribution and Protection Unit is a monitoring device for power distribution networks specially designed to provide reliable energy supply protection systems for ETSI and 19-inch racks with a double 48 V battery supply. Apart from the efficient energy distribution amongst different elements, the devices are said to offer a key advantage in the standard version launched recently onto the market, namely a very good dimension versus power supply density rate. The 100 mm unit has been designed for power distribution to two or four sub-racks, with a 20 ampere capacity for each. In addition, a fan unit can be connected. Apart from the by-passing from the main circuit to the sub-racks, the unit issues an LED alarm when a relevant incidence has occurred and the alternative power supply has been activated. (Photos available)

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Hall: 012, Stand A16

### **Multi-console Category-5 KVM switches (323)**

The Prima Matrix-Multi-Console Cat-5 IP Matrix KVM switches from Uniclass Technology allow multiple independent users to access the KVM switch simultaneously from either a local console at the rack, a remote Cat-5 console 100 meters away, or an IP console from anywhere. The switches also offer a scalable architecture via daisy-chain up to 16 levels, thus controlling hundreds of computers. As the manufacturers describe the benefits, server administrators can leverage access availability from anywhere and still maintain a full level of control over the servers. Further features include password authentication with PKI authentication and SSL encryption over IP, OSD menu control for configuration and operations, and interoperability with other Prima KVM series. The exhibits are said to combine all available KVM technologies and make them affordable to small and medium-sized enterprises. As a result, server administrators can reportedly maximize their efficiency at a relatively low cost.

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Hall: 013, Stand D73/1

## Communications

### **Multifunctional business phone in rugged design (124)**

One of the new products on show from Tiptel.com will be the Tiptel 160 iS, which is described as a business telephone for integration in any telephone system. The multifunctional phone runs without batteries, which means that the three-line display will always stay on, including the call list. The manufacturers point to the rugged design with hardened key tops, which enables the fast dialing of telephone numbers. The device supports all popular methods for caller ID and message waiting displays. The exhibitors also draw attention to the very good status indicator of the telephone system's mailbox and the implemented special functions like the blocking of any modification in the telephone book or the speed-dial keys. The phone is deemed well-suited for use as a hotel telephone. (Photos available)

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Hall: , Stand

### **Multi-medium link to customers through mobile 3G (678)**

According to Redwood Technologies, Storm Mobile Internet allows Internet access from mobile devices, exploiting the power of 3G mobile and mobile broadband networks. As the English exhibitors describe it, the solution extends the power of online presence beyond static desktops and out to the customers' mobiles, creating a dynamic new dimension to marketing. Customers can thus access Internet-based services whenever and wherever they like, and promotions and services can be pushed to them with optimal timing, no matter where they are. Users can connect to websites via any mobile network and each connection is recorded, allowing any additional information provided to be captured for detailed analysis. The fully hosted service requires no capital outlay and is said to offer flexible pricing models. These can include self-funding campaigns, profit-earning programs, or shared risk campaigns based on results. With the application, a permanent, multi-medium link can be created to customers wherever a mobile signal can reach them. (Photos available)

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Hall: 013, Stand D58



## Communications

### **Multi-service appliance for onboard Internet links (173)**

The WG Stargate appliance is characterized as a multi-service onboard communications appliance that enables cruise liners and other public transportation vehicles to manage and guarantee high-speed Internet access on the move not only for corporate usage, but also to offer Internet access to their customers at low cost. This is apparently achieved through an intelligent bandwidth and link selection algorithm that manages the link availability, the available bandwidth, and the data. The system combines terrestrial and satellite links to use lower-cost DVB-IP satellite services. The solution thus enables boats to have better Internet connectivity using the cheapest and best-performing access link available. Moreover, the technology allows for the reuse of existing communications equipment, thus leveraging previous investments. It integrates existing Satcom communications technology with other terrestrial wireless access data communications technologies. There are also comprehensive interfaces for system configuration, management and operation. (Photos available)

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Hall: , Stand

### **Multi-service test modules for advanced networks (563)**

Exfo Electro-Optical Engineering will be displaying their Power Blazer next-generation, multi-service test modules with the designations FTB-8120 NGE and FTB-8130 NGE. The modules are reportedly purpose-built for the increasing deployment of Ethernet-over-TDM, Ethernet-over-Sonet/SDH and fiber-channel services worldwide. They are said to be ideally suited for MSTP and ROADM network deployments as well as maintenance activities. The key benefits are seen in the DS0/E0 to OC-192/STM-64/OTU-2 and the 10 to 1,000 Mbps and 10 Gbps LAN/WAN testing in what is claimed to be the industry's smallest form factor. The modules are said to represent a fully integrated solution for assessing the performance of Ethernet transport networks, including RFC 2544 and BER test functionalities. A further feature is specified as the OTN forward error correction (FEC) and ODU1 into ODU2 multiplex testing capabilities as per ITU-T G.709. Additional benefits are seen in the Ethernet-over-Sonet/SDH (EoS) testing via optional support for GFP, VCAT and LCAS and in the 1x, 2x, 4x and 10x fiber-channel testing capability. (Photos available)

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## Communications

Hall: 013, Stand B48

### **Nano-ITX embedded board based on Intel Atom CPU (494)**

Portwell announces a new Nano-ITX form factor board based on the ultra-low-power Intel Atom Z510/Z530 processor. The Nano-8044 is apparently only 50 percent of the size of a mini-ITX. The industrial-level motherboard with the latest Atom e-Menlow platform for embedded products also integrates the US15W Intel system controller hub. At a mere 120x120 mm, the compact micro-architecture is said to benefit a range of low-power systems and handheld mobile devices in applications such as portable POS, medical healthcare, mobile kiosks, mobile gaming and digital signage. The development has been specifically designed to operate at very low power consumption, specified at less than 10 watts at full loading, and at low heat so that it can represent a truly fanless configuration and be battery operated. There is also support for one 200-pin SO-Dimm memory slot for DDR 2 SDRAM up to 2 GB. The board comes with one IDE, one Type II Compact Flash socket, one SD card, a dual independent display with VGA and 24-bit LVDS, one Gigabit Ethernet link, six USB ports, and one PCI-E expansion slot. (Photos available)

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Hall: , Stand

### **Network-based inbound and outbound call recording (677)**

The Storm Red Recorder on show from Redwood Technologies offers easy, network-based inbound and outbound call recording. It can apparently accommodate fixed-line voice, mobile and VoIP contacts. The solution can record any device anywhere and is offered as a fully hosted service with no need to invest in new boxes. Contact centers, for instance, can use it for all their call recording needs, including dispute resolution, training and regulatory compliance. Remote log-in capabilities allow managers to monitor and maintain the system wherever it may be deployed, while speech-to-text capabilities reportedly save hours of transcription time. The integrated automated word-spotting provides valuable and timely management intelligence, such as excessively frequent occurrences of the word supervisor, and tone-of-voice sensitivity is capable of indicating potentially problematic stress levels, helping to improve the customer experience and enhance agent welfare. According to the English exhibitors, the intelligent architecture allows an easy, logical searching of archives, thus speeding up investigations and enabling rapid dispute resolution. (Photos available)

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## Communications

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Hall: 013, Stand D58

### **New enhanced generation of VoIP interface cards (679)**

Beronet announces its Berofix range of line interface cards. The range apparently responds to a lack of functionalities in the present BNXS 0 and 1 series in combination with the open source Soft-PBX Asterisk, including echo cancellation, G.729.a and G.723 codec translation, fail-safe RTP (SRTP), SIP-over-TCP and FoIP (T.38). The new line requires no special driver and can be applied with almost every existing operation system. The standardized Session Initiation Protocol (SIP) accumulates the interface to the PBX system, which means the card can also be run with SIP-based PBX systems or gateway systems other than Asterisk. The base board will be available with different channel densities of four to 64 complex channels, as PCI, and as PCI Express. Two types of interface modules will be initially available, the BF4 S0 module and the BF1 E1 module. The ISDN modules are equipped with the Cologne Chip ISDN chipsets and also support NT and TE modes. Physical switching from TE/NT and the line termination by software are said to be new. The solution addresses customers who install SIP-based telephony software systems and are forced to embed external interfaces in their appliance.

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Hall: 013, Stand B10

## Communications

### **Non-electromagnetic headset for call centers (353)**

The CJ11/CJE 201 series from M Tech is billed as the only range of non-electromagnetic professional communication devices for call centers. Since no electromagnetic waves are generated, the manufacturers particularly highlight its safety and health advantages. The device is also said to be highly reliable and suitable for extended use. As the company explains, bone conduction transmits sound through the vibrations of facial bones to the auditory nerve, bypassing the eardrum. What the Hong Kong-based company calls the ground-breaking design is said to be particularly ergonomic, releasing stress from the ears, and to provide great comfort and convenience. The device is seen as ideal for people who have impaired eardrums and for anyone concerned about the harmful effects of electromagnetic waves to their health. (Photos available)

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Hall: 016, Stand A02

### **Open source-enabling hardware (102)**

Synway designs hardware and software building blocks for use in Computer Telephony Integration (CTI) applications in both PSTN and IP environments. According to the company, its special DSP technology for echo cancellation (EC) and voice processing is used in various products to ensure high audio quality and good pricing points for Asterisk-based solution providers. These products include the FXM series of analog telephony boards with two to 64 configurable ports and the TEJ series of digital telephony boards with one to 4 configurable T1/E1/J1 ports. Both ranges feature built-in EC of up to 128 ms and DMA (Direct Memory access). In addition, the CDC series for transcoding with 30, 60 or 150 ports is said to handle complex codec translations between G.711, G.729A and G.723. Compatible with Asterisk and other open source platforms, the three series consist of robust hardware to help open source developers create and design versatile, cost-effective, high-scalability solutions, including IP-PBX, gateway, IVR and call center applications. The echo processing capability that is integrated has reportedly been field-proven by leading carrier labs.

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Hall: , Stand

## Communications

### **Open source-enabling hardware products (104)**

According to Hang Zhou Synway Information Engineering from China, decades of DSP (Digital Signal Processing) technology for echo cancellation and voice processing have empowered its highly competitive open source (Asterisk) hardware. This hardware includes an analog telephony board, which can be configured from two to sixty-four ports and features built-in EC (128 ms), DMA data processing, and PCI/PCle. A second product, a digital telephony board with one to four configurable T1/E1/J1 ports, shares these features. Finally, a trans-coding card for G.711, G.729 and G.723) will be highlighted with 30/60/150 ports configurable and PCI/PCle. The company points out that it offers a superior-density media processing resources with up to 480 ports per slot, a full suite of SS7 components, SIP, and passive recording to address modern telephony challenges.

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Hall: , Stand

### **Patch cords with built-in light identification (436)**

Patchsee develops light-identification RJ-45 patch cords and cables for the telecommunications market. In order to help network administrators identify cables more easily, the French-based company reportedly invented the first RJ-45 cable with fiber-optic technology for identification purposes. The concept is described on the homepage as a simple, reliable and effective solution that integrates two plastic optical fibers running through the cable length so that each extremity can be identified. The exhibitors will now be presenting what they claim is the first fiber patch cord implementing this special system for identification. The patch cords are seen as facilitating data center management and making troubleshooting operations easier in fiber patch cord to FFTH applications, LAN applications, and operator applications.

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Hall: 012, Stand C79

## Communications

### **Pay-as-you-go global roaming SIM card (888)**

World-SIM says it provides communication services that enable business travelers to save money and agents to earn lifelong commissions. The product with the same name is a pay-as-you-go global roaming SIM card that allows travelers to receive calls for free on their mobile when they travel as well as make outbound calls at a fraction of the cost of normal operators. It reportedly offers facilities such as free roaming in over 55 countries, coverage in over 150 countries and all major business and tourist destinations, a UK mobile number (+44), free real-time itemized billing, free voicemail, and PC dialing. Further features include call forwarding, conference calling from a handset or Internet, call recording, a GPRS/3G data facility, and premium-quality voice traffic. There are said to be no monthly fees. The card is claimed to save business travelers up to 95 percent on their mobile bills.

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Hall: 026, Stand A59

### **Physical parameter measuring for VDSL services (908)**

One of the cable qualification and fault location instruments on show from the Hungarian company Elektronika Telecommunications Test Equipment will be their ELQ 30 VDSL Copper Qualifier. The device is billed as a handheld, battery-operated, multifunction measuring instrument developed for the qualification and fault location of balanced copper pairs in the 0.02 to 30 MHz frequency range. As is explained, to qualify a pair, end-to-end measurements with two instruments have to be used in master-slave arrangement. Thanks to the communication between the two instruments, a single person can apparently perform such measurements with the unit. Operation is reportedly simplified by means of pre-defined automatic test sequences. Tolerance masks of cable parameters such as Loss, LCL (Longitudinal Conversion Loss), Return Loss, Impedance and the principal system parameters are pre-programmed for several VDSL systems. Moreover, the operator can create new template sets with the parameter editor. For purposes of cable fault location, there is also a built-in TDR (Time Domain Reflectometer). (Photos available)

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Hall: , Stand

## Communications

### **Pocket-sized 3.5G mobile router for IEEE 802.11n (562)**

With its full functions and high speed talents housed in a pocket-sized 3.5G mobile router with multiple language support, the new CWR-935M from CNet is billed as providing everything needed for an IEEE 802.11n network. As is pointed out, more and more customers need such mobile routers to set up their own hotspots wherever they go. The router is said to be particularly easy to set up and serves as a powerful yet small-sized network device for many different occasions. People on the road, for instance, could need it when fail-free Internet connection is required. Alternatively, it can be used to share a connection, share files, or set up video surveillance. When called for, as the manufacturers point out, the product can even be used as a wireless access point or a wireless adapter by simply sliding the mode switch to AP setting or client setting. (Photos available)

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Hall: , Stand

### **Portable signal analyzer for Ethernet interfaces (907)**

The Eva 10 VoIP Signaling Analyzer is a handheld, multifunction measuring instrument intended for testing Ethernet networks and CEPT digital circuits. The device has a dual copper and dual optical (SFP) Ethernet interface for measuring and testing the performance of Ethernet networks. According to the Hungarian developers from Elektronika Telecommunications Test Equipment, measurements include RFC 2544 benchmark testing and various traffic generation modes as well as useful protocol testing measurements such as IP scanning and traceroute diagnosis. In addition, the unit also contains a dual 2,048 kbps interface card for measuring traditional telecommunication networks. Various signaling standards are available on the E1 interface, such as EDSS1, SS7, QSIG and V5.1/V5.2, along with emulation and monitor measurements. The VoIP measurement can utilize the two different hardware interfaces, thus allowing the user to analyze SIP and H.323 signaling and measure voice quality (MOS or Mean Opinion Score) on the Ethernet and traditional networks at the same time. Quality-of-Service parameters and a broad range of call statistics are also said to be recorded. (Photos available)

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Hall: , Stand

## Communications

### **Pre-qualification measurement for copper wire pairs (911)**

The handheld ECFL°30 Cable Fault Locator has been developed by Elektronika Telecommunications Test Equipment in Budapest to test the quality of telecom cables and locate cable faults. The combined instrument provides several tools for the location of DC/AC faults on the line. There is an active bridge for the accurate identification of faults where the level of disturbing voltages is low. In addition, a Wheatstone bridge is integrated for locating faults where the level is high. The unit also performs end-to-end master-slave synchronous measurement for finding faults when the disturbing voltages are extremely high and intermitting. According to the exhibitors, precise resistance, capacitance, resistive and capacitive unbalance measurements are also conducted. In addition, a TDR (Time Domain Reflectometer) helps find low-impedance faults and splits causing cross-talk between the pairs. Automatic test sequences are built-in for quick tests and quality tests. The device is claimed to be the first instrument to offer fault location on totally water-soaked cables. In master-slave mode, it can communicate with another such unit or with an intelligent slave device. (Photos available)

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Hall: , Stand

### **Reliable server to manage and control hotspots (175)**

The WG Server from Nonius Software in Portugal is billed as a high-availability and high-reliability appliance with all the necessary gateway and server functions to manage Internet access. Its main application is seen in the management and control of hotspots. The device reportedly combines the functionalities of a hotspot gateway, the network services of a network server, and the integrated Internet access management and billing software needed for small-sized ISP (Internet Service Provider) deployment. The server can operate in five distinct modes according to the specific application. WG-Hotel has been conceived for Wi-Fi hotspots in hotels, WG Estate for common networks of Internet access in real estate condos, WG Business Park for the control and distribution of Internet systems in enterprise parks, WG Public for centralized public hotspots, and WG Hotspot Manager for distributed hotspots. (Photos available)

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## Communications

Hall: , Stand

### **Robust server racks for various dimensions (761)**

The Goya range of server racks from Casbar is described as a rack solution with a robust structure, an advanced aesthetic design, and a larger ventilation capacity up to 85 percent of the free surface. The racks are made of galvanized sheet up to a thickness of 2.5 mm and a lateral profile that supports a maximum load of 1,000 kg in 1,000 mm depth models. The color combinations are offered in red/black and gray/black with perforation details in the lateral panel. As is stressed, the front and back door as well as the four lateral panels are perforated. The standard range provides various options in 42 U and 46 U heights, 600 mm widths, and 1,000 and 1,200 mm depths to fit specific server dimensions. The structure and special configuration of the lateral panel reportedly allows for a string of racks or even islands as required by the individual requirements. The products are deemed ideal for any LAN installation or data center. The manufacturers also point to the IP31 and RoHS compliancy and the conformity with DIN 41494-1/-2/-7 standards. (Photos available)

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Hall: 012, Stand A16

### **Router monitor improves internal management (469)**

Draytek points out that it also provides a Smart Monitor application compatible with its Vigor 2950/5510 routers for the purpose of improving internal management. As the exhibitors explain its advantages, the solution can optimize bandwidth usage and enhance the performance of daily operation through its control of IM (Internet Messenger) or P2P applications. According to the homepage, it can monitor all messages in IM applications and in e-mails and can even keep an eye on which websites employees surf. (Photos available)

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Hall: , Stand

## Communications

### **Routers with USB ports and 3.5G network capability (471)**

Draytek will be explaining why it designs some of its router models with one or two USB ports. In addition to its basic use for connecting to the printer, USB ports can apparently be treated as 3.5G backup and file systems. Such a 3.5G backup can be conducted via the USB port of the Vigor 2110, 2710, 2910, 2820, 3100, and Vigor Pro 5510 series. As is pointed out, with 3.5 G backup capability, the auto fail-over feature provides users with an always-on connectivity. For those areas without fixed lines, the 3.5G networks are highly convenient for people in, for example, shuttle buses, mobile cafes, mine sites, or remote villages. Along with increased multimedia applications, the file system functionality allows common USB flash drives to store or share files without activating computers. For instance, journalists used to send digital photos via e-mail back to the publishing company in the past. Now, photos can be uploaded back to the publishing company's router in which a USB flash drive is connected. The publishing procedure is thus much quicker. (Photos available)

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Hall: , Stand

### **Safer telephone without electromagnetic waves (355)**

A keynote presentation from M Tech will be their H109, which is reportedly the world's only non-electromagnetic bone conduction telephone. As the company points out, major medical studies have shown that prolonged use of mobile phones, telephones or earphones with speakers are detrimental to human health and can weaken the body's immunity as a result of the generation of electromagnetic waves. Apart from its health and safety aspects, the device on show is said to be highly reliable and suitable for extended use. As is explained, bone conduction transmits sound through the vibrations of facial bones to the auditory nerve, bypassing the eardrum. The product is seen as suitable for the whole family, the elderly and the hard of hearing, for people who have damage to their eardrums, and for people concerned about the effects of electromagnetic waves to human health. Functions include automatic FSK (Frequency Shift Keying) and DTMF (Dual-Tone Multi-Frequency), caller ID detection, an incoming call log for up to 68 calls, and an outgoing call log for up to 20 calls. The manufacturers also highlight the five contrast levels and the backlight illumination. (Photos available)

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## Communications

### **Scalable monitoring of complex infrastructure (654)**

APC will be unveiling its new Infrastruxure Central software, an IT-ready, scalable monitoring system that collects, organizes and distributes critical alerts, surveillance video and key information to provide a unified view of complex physical infrastructure environments from anywhere on the network. The overhauled solution offers multi-vendor support, a superior new user interface, and extensive usability improvements. Vendor-neutral support is to be actively developed through a formal validation program, with ongoing support for and publishing of implemented devices. Other features include greater scalability to increase the maximum node count to 4,025, a new, low-cost platform, Central Basic, which replaces the Manager. This reportedly includes the same functions, with a maximum of 525 nodes and an optional add-on surveillance module for up to 15 cameras. Further advantages include mass firmware updates of network management cards, remote monitoring service support, improved speed and configuration of alerting, a localized user interface in ten languages, and capacity manager and change manager add-on modules. (Photos available)

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Hall: , Stand

### **Scaleable and multifaceted cooling platform (579)**

The Schroff Aisle Containment system is said to considerably increase the cooling efficiency of a computer room while drastically reducing energy consumption. The high efficiency is apparently obtained by physically separating the cold incoming air from warm exhaust air. In this way, a hundred percent of the uncontaminated air passes through the servers. According to the German company, their containment elements can be easily fitted or retrofitted. Moreover, they are also said to fit most cabinet types. Using a combination of a Varistar cabinet platform and an LHX module is claimed to provide a highly scaleable and multifaceted cooling platform. Either cold-aisle or hot-aisle containment configurations are possible using the same components. As a result, users are not locked into a particular cooling strategy and can adapt or modify the containment configuration at any time in line with changing room conditions and cooling requirements. (Photos available)

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## Communications

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Hall: , Stand

### **Shoulder holster for IT and business essentials (791)**

One of the accessories available from Urban Tool is the new Business Holster, which is said to be perfectly suited to meet all the requirements in wearing IT in everyday business life. All business essentials can be stored in flexible pockets that also provide safe housing for larger devices. Device-specific pockets that adapt to particular gadget sizes serve to allow fast and easy access to smartphones, USB sticks, credit and business cards, and pens. The attractive shoulder holster also has an additional special I-Pod case with what is seen as a smart cable routing. (Photos available)

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Hall: 016, Stand F04/1

### **Simple router configuration and access control (468)**

Draytek will be elucidating the advantages of the CSM (Content Security Management) graphical user interface on their Vigor 2820 ADSL-2/2+ router with secondary WAN for dual ISP feeds and with HSDPA 3.5G compatibility. As the company explains, CSM is a powerful tool for network management with simplified settings, making complicated configuration with traditional firewalls just tick-and-click exercises. The network administrators do not need to deal with IP or port numbers, but can tick applications like P2P or online video directly. Moreover, parents at home do not need a degree in computer science to configure firewall rules to prevent children from accessing undesirable websites. The router's GUI has in effect already sorted out the applications and the user only need to tick or un-tick as required. In situations where someone is using up too much of the bandwidth quota, the administrator can also set rules at ease to limit traffic from applications such as large video files. The advanced CSM functions include improved blocking capability for applications that provide extra loopholes for hackers and virus spreaders to explore. (Photos available)

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Hall: , Stand

## Communications

### **Single-ended dispersion analyzer module (564)**

The FTB-5700 single-ended dispersion analyzer to be highlighted by Exfo Electro-Optical Engineering is a module that reportedly combines CD and PMD measurement into a highly automated, high-efficiency, single-ended test solution. The key features are listed by the exhibitors as complete dispersion analysis at up to 40 Gbps, a minimized manual intervention for fail-safe results, and the requirement of only one single connection. The manufacturers also highlight the fully automated software and the optimized reporting capabilities with one GUI, one result file, and one report. The testing range is said to be up to 140 kilometers. (Photos available)

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Hall: 013, Stand B48

### **Small all-purpose case for PDAs and smartphones (578)**

The new Palmcase micro is the smallest waterproof and shock-resistant protective covering offered by Andres Industries. In line with the continuing trend towards smartphones with ever-smaller displays, the case has been especially developed as outdoor protection for the HP I-Paq 114. Nevertheless, the manufacturers stress that it is also adapted for nearly all other Personal Digital Assistants and smartphones with a 2.8-inch display. The very lightweight and shock-resistant case made of polyamide as well as the flexible display foil are said to reliably protect against drops and the Ingress of moisture. The removable display flap offers additional mechanical protection against impact. In addition, the enclosure is permeable for electromagnetic waves and reportedly impinges in no way on the functionality of the PDA or smartphone. Options consist of a supporting loop, a belt clip, or a neck lanyard. In its basic configuration, the product will be available from April onwards. (Photos available)

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Hall: , Stand

## Communications

### **SNMP and fiber-optical residential gateway (560)**

A new residential gateway with four-port 10/100 Base-TX and one-port 100 Base-FX Uplink with two-port FXS VoIP will be displayed by Connection Technology Systems. The new VRG-21412 FX/W2X-WF is an SNMP and fiber-optical residential gateway with web-based management that aims at FTTH triple-play applications. The device provides one fiber optic port for Internet broadband connections, four TP ports for LAN applications, and two FXS ports for telephony. An additional two USB 2.0 ports for future updates and extensions are also integrated. The gateway is intended for FTTH broad service providers who are looking to deliver multiple IP services to the home. The fiber-optic port supports connection distances from 2 to 20 km or more than 100 km by MMF, SMF or bi-direction SMF, which can be deployed in apartments, houses or campuses. The four 10/100 Mbps TP LAN ports with firewall can link to a PC and a set-top box and can implement IPTV, VOD (Video-on-Demand), e-learning, 3D gaming, as well as traditional Internet applications. Two FXS ports with the SIP protocol can deliver VoIP service. The product is said to be fully compliant with IEEE 802.3 and 802.3u standards. (Photos available)

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Hall: , Stand

### **Software for call accounting, billing and reports (569)**

Sabre, an abbreviation of software for accounting, billing and reports, is described as a new, highly effective solution for call accounting, usage management, and cost analysis and optimization for small to medium-sized businesses. It works with the latest Open Source VoIP systems Elastix and Trixbox as well as all major Asterisk distros. According to the developers, a complete set of standard reports enables users to view usage, traffic and costing data for every level in an organization. Data can be accessed and reports can be run at any time and place. The solution is seen as ideal for campus environments, hotels, business parks, and multiple site deployment. It also offers an optional hospitality module that integrates with popular property management systems like Fidelio, New Hotel, Easy Link Hotel, Brilliant, Shiot and Bilogica to bill guests for calls made from hotel rooms. Other options include the room check-in and check-out features to bill calls for hotels without property management systems. Data can be collected from multiple sites and systems, aggregating all usage data to provide an overall view of communications usage. (Photos available)

Nonius Software

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## Communications

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Hall: , Stand

### **Software-based contact center solution (385)**

With release 6.1 of its contact center software Agentel, Voxtron makes a number of new features available. The exhibitors point to the further and clear distinction between the Office Client for direct communication and the Agent Client for routed communication. With Direct Fax, users can receive direct or personal faxes. If all calls are routed to the IVR (Interactive Voice Response), there is no need to define a separate, second extension for receiving faxes. The developers further highlight the address book for sending faxes (MAPI) and the Virtual Port Connector so that the virtual extensions on the PBX can be used instead of, or in combination, with IVR ports. In addition, the team leader and administrator can log on as inactive users to secretly supervise your agents and the possibility exists to secretly listen to a conversation between a customer and agent. The Campaign Dial-Out Factor allows the launching of more calls per free agent, in the knowledge that a percentage of the initiated calls will statistically fail.

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Hall: 013, Stand B73

### **Splash-safe, anti-shock I-Phone 3G cases (577)**

Andres industries has specially developed the narrow Defender case for the new Apple I-Phone 3G. The lightweight cover weighs only 60 grams and is claimed to give the phone all-round protection against impacts, dust and dirt. In addition, it is reportedly splash water-resistant with additional protection against light rain and humidity. As the exhibitors stress, unlike many other cases in this vein, their product enables the full operation of the Apple device, including the volume regulation, camera, and touchscreen. With the appropriate belt clip, the phone can always be ready to hand. The case is available in the colors black, white, yellow, and pink. (Photos available)

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Hall: , Stand

## Communications

### **Square-grid parabolic antenna for long distances (582)**

Kenbotong Communication announces the exhibition of its TDJ-2400A square-grid parabolic antenna. Uses are seen in point-to-point, point-to-multipoint applications, and other long-distance communications. The high-gain antenna has an aluminum die-cast grid and a UV-stable, light-gray powder-coat finish. All-weather operation is said to be possible. It is also reported to be easy to assemble. Direct ground lightning protection is incorporated. The frequency range is given as 2,400 to 2,500 MHz and the gain as 24 dB. The dimensions of the antenna are 500x170x75 mm and it weights 3 kg. (Photos available)

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Hall: , Stand

### **Standalone dialing system with Skype connectivity (105)**

Synway specializes in designing hardware and software building blocks for use in Computer Telephony Integration applications, such as IVR, call centers, recording, Unified Messaging and Value-Added Service (VAS) in both PSTN and IP environments. The company will be presenting its Easytone dialing system with Skype connectivity and a built-in operating system. It can connect to an analog phone set for outbound dialing and is seen as a cost-effective standalone solution for SMEs and subscribers or as an alternative solution for traditional IP calling. The system supports four ports and is claimed to maximize the return on investment with very low calling expenses. It is also praised as easy to use and reportedly requires no change in dialing habits or existing wiring.

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Hall: , Stand



## Communications

### **Stylish bag with integrated I-Pod remote control (790)**

The new Urban Performer unit is seen as a must-have for all gadget-lovers who like wearing their IT interactively and in a highly sophisticated way. Apart from the ordinary attributes of a bag, the case is said to match well with a digital environment and fit in with the urban lifestyle. As an I-Pod remote-control unit, it also allows an I-Pod to be directly controlled from its crystallized interface. As the exhibitors from Urban Tool point out, other essentials can be stored in additional sorted pockets. (Photos available)

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Hall: 016, Stand F04/1

### **Three-phase power protection for data centers (656)**

American Power Conversion (APC) will be premiering their new Symmetra PX All-in-One Uninterruptible Power Supply. The system provides hot-scalable power, runtime and distribution in a high-density single-frame design. The high-efficiency three-phase UPS can scale as a data center grows up to 48 kW/48 kVA and is seen as suitable for small and medium data center applications. With a reported 140-percent increase in power density, the second generation of the series delivers up to 48 kW of power protection for 400 V deployments, features longer-life batteries with up to 25 percent more runtime, and provides hot-scalable power distribution within a one-rack format. These new capabilities are claimed to yield high levels of availability at a very low overall TCO (Total Cost of Ownership). Designed to address the increasing shortage of data center space, the improved range serves as the core power train that drives the company's own Infrastruxure systems. The units will be available in the Infrastruxure Designer upon release and are said to be highly manageable thanks to the management tools provided by that integrated critical power and cooling architecture. (Photos available)

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Hall: , Stand

## Communications

### **Tiny, fanless, Atom-based embedded DSS system (493)**

Portwell has announced a new very small, fanless Digital Security Surveillance (DSS) system called PVS-1A10, which is based on the Intel Atom processor. The low-power, compact DSS system is founded on the company's Nano-8044 Nano-ITX form-factor embedded board. The board comprises a highly integrated two-chip solution, namely the Intel Atom processor Z5xx series and the US15W Intel system controller hub, with a total TDP (Thermal Design Power) of less than 5 watts. Combining the GADIWA-P0901 90 W industrial power supply, a fanless embedded board and a standard PCI-Ex1 card, the solution is seen as ideal for small and fanless DSS edge devices such as IP video servers (encoders). It measures a mere 160x221.86x75 mm. In addition, the company says it has solved the low-power and small-size challenge without compromising platform features potentially required by other embedded markets and draws attention to the four USB ports, one VGA port, the RS-232/422/485 port, and the RJ-45 port. The hardware has now gone into mass production. (Photos available)

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Hall: , Stand

### **Troubleshooting faults in fiber optic cable (483)**

Psiber Data will be presenting a visual fault locator (VFL) from JDSU for the cost-efficient deployment of FTTx networks and broadband services. The new VFL field instrument, which comes as the pocket-sized FFL-050 (fiber fault locator) and the ruggedized FFL-100 model, quickly and easily locates damages in optical fiber, which results in fewer truck rolls. It is seen as an essential tool to identify problems like sharp bends, breaks, bad splices, lack of continuity, and damages in fiber. As is explained, a visible laser light is emitted into the fiber, and as the light escapes from the damaged points along the fiber in a continuous or flashing illumination, technicians are able to locate and assess the damage. While a VFL can be used as a point solution, the manufacturers also include them as a complementary tool that adds significant value to their higher-end, modular fiber test instruments. The two versions are both equipped with a 2.5 mm interface, compatible with connectors such as SC, ST, and FC, while the 1.25 mm adapter enables connection to LC and MU connectors. They can also perform end-to-end continuity tests and fiber tracing and identification. (Photos available)

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## Communications

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Hall: , Stand

### **Unified communications suite for Exchange (190)**

One of the communication integration products on show from Ferrari Electronic will be their Office Master for Exchange. The solution offers fax, SMS, voicemail and CTI (Computer Telephony Integration) for Microsoft Exchange Server 2000 to 2007, thus boosting the efficiency of individual staff members, entire working groups, and overall company communications. In addition to measurably improved staff productivity and a general improvement in availability, the software is claimed to help achieve cost savings of up to ninety percent for message and data distribution. The application provides its users with professional fax communication from all Exchange clients such as Microsoft Outlook. As is explained, instead of the e-mail address, the fax or SMS address is entered as the recipient. The existing infrastructure is extended by providing a company-wide, digital call answering system (voicemail). If a subscriber is not present, or their line is engaged, call forwarding is used to ensure that the caller is connected with the right personal answering machine or voice box. With the CTI solution, it is also possible to arrange and receive telephone conversations directly via Outlook. (Photos available)

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Hall: , Stand

## Communications

### **Unified Communications suite for SAP (192)**

The exhibitors from Ferrari Electronic point out that the electronic consignment of business documents is now standard procedure in office communication. By means of the interface SAP Connect, SAP already offers the possibility of sending documents such as bids, subscriptions or invoices. The application Office Master for SAP is now said to give SAP users a comfortable interface for the consignment of faxes, e-mails and short messages. As is explained, after a SAP user has drawn up a business document, he then has the choice of printing, faxing or mailing it. The highlighted solution accepts the document via the SAP interface, sends it, and reports the status directly to SAP. In addition, the consignment receipt can be transmitted as an e-mail to the sender of the document. According to the exhibitors, the product is certified by SAP and is already used by over 600 companies. (Photos available)

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Hall: , Stand

### **Unified Messaging integration for Notes/Domino (191)**

Office Master for Notes offers fax, SMS, voicemail and CTI (Computer Telephony Integration) for Lotus/Domino Server from R5 to R8. As Ferrari Electronic point out, it thus enhances the efficiency of individual staff members, entire working groups, and overall company communications. In addition to measurably improved staff productivity and a general improvement in availability, the application is claimed to save up to ninety percent of the costs for message and data distribution. The application provides users with professional fax communication from all Notes clients. As is explained, instead of the e-mail address, the fax or SMS address is entered as the recipient. The existing infrastructure is extended by providing a company-wide, digital call answering system (voicemail). If a subscriber is not present, or their line is engaged, call forwarding is used to ensure that the caller is connected with the right personal answering machine or voice box. With the CTI solution, it is also possible to arrange and receive telephone conversations directly via Notes. (Photos available)

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Hall: , Stand

## Communications

### **Unified Messaging interface for VoIP environments (193)**

According to Ferrari Electronic, it has not been possible up to now in the VoIP world to implement the convenient functionality of ISDN solutions without high cost. The company's Office Master over IP solution is said to elegantly overcome this difficulty in the form of a plug-and-play replacement for an ISDN board. Once installed, the software can reportedly set up its service immediately within a VoIP network. To establish a connection to end devices, the solution does not use an S0 or S2M port, but implements the Ethernet card present in the PC to communicate via VoIP. The application is said to operate in full compliance with this standard. All the Office Master programs and all network components that comply with the H.323 and SIP standards can apparently communicate with it and voice and fax data is reliably forwarded from these sources. The solution is described as flexible and easy to tailor, making it suitable for a wide range of applications. In addition to its pure VoIP ability, the option of integrating existing Office Master Gates hardware is also provided. (Photos available)

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Hall: , Stand

### **USB call recording solutions for SMEs (140)**

The new version 4 of the Eye-SDN USB software is claimed to bring significant improvements for users of Innoventif recording devices. According to the German exhibitors, the new client-server network architecture supports large installations with central storage and recording probes and clients connected via an IP network. The introduction of an index cache in the storage server is said to deliver major speed improvements when handling large amounts of recordings. As the company admits, although release 3 allowed operation of the USB devices under Windows Vista, there were some permission problems. With the new release, however, the operating system is reportedly fully supported. Discrete listening and manual recording are now implemented in a new interactive client program. Updates for existing customers will apparently be provided free of charge. With the new software release, the capabilities of the USB call recording system have been extended to further improve the system with what is billed as the best price-performance ratio on the market. (Photos available)

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## Communications

Hall: 013, Stand B10

### **USB-based dual-band WLAN capture adapter (484)**

The Air-Pcap Nx from Cace Technologies, which is distributed by Psiber Data in Germany, is a new USB-based WLAN adapter that supports 802.11a/b/g/n, packet injection, multi-channel aggregation, external antennae connectors, and enhanced timestamps. The product is an upgrade for the N 32-bit Cardbus adapter, which has been sold for over a year while waiting for USB-based technology to allow switching to the more portable form factor. As is explained, many newer laptops ship without Cardbus slots nowadays. In addition, significant feature improvements are said to have been made. As a spokesman from the manufacturers puts it, the adapter can be used for applications ranging from diagnosing enterprise wireless issues or picking a channel for Wi-Fi reception. It is described as cool-looking, is very light, and reportedly works seamlessly with Wireshark since it is integrated with Win-Pcap. Moreover, information sharing is facilitated by the use of open source tools. (Photos available)

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Hall: , Stand

### **VDSL2 router for homes and small firms (50)**

The VC-230 from Planet is a VDSL2 router based on two core networking technologies, Ethernet and VDSL2 (Very High-Speed Digital Subscriber Line 2). As is explained, this technology offers the fastest possible data transmission speeds over existing copper telephone lines without the need for rewiring. In ideal circumstances, the data rate of VDSL2 can be up to 100 Mbps upstream and 100 Mbps downstream. The device on show reportedly supports ITU-T G993.2 and provides the selectable operating modes of bridging and routing. Via the user-friendly managed interface, it can be managed by a computer running a standard web browser. Further features include a DHCP server, NAT, DMZ, DNS, UPnP, VPN pass-through, RIP, and port forwarding capability. The router also provides many security functions such as SPI firewall, port/IP filtering, and MAC/URL filtering. All incoming and outgoing packets are monitored and filtered. Four-port 10/100 Ethernet switches are incorporated in the products. (Photos available)

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## Communications

Hall: , Stand

### **Versatile outdoor and indoor enclosure solution (760)**

The Casbar Energy Cabinet CEC is a complete solution for an outdoor and indoor enclosure that is said to integrate all the required equipment and guarantee uninterrupted operation. This reliable protection is apparently provided by DC power and a string of batteries. The solution has been especially designed for telecommunication, IT and energy renewal companies. Its high versatility reportedly means that, apart from the functions in the usual power supply cabinet, it can also be applied in different areas such as fixed or mobile telecommunications (BTS integration) or for purposes of continuous power supply in data centers. The cabinet has been launched on the market as a standard solution for outdoor and indoor performance with IP55 rating, hurricane retention, and wind-tunnel certification up to 200 km/h. As the exhibitors explain, the lower part is designed for batteries, whereas the upper area is especially reserved for electrical equipment such as the distributor, rectifier and fan. Nevertheless, the products are said to be easily adaptable to the specific requirements of any project or customer and provide a large range of configurations. (Photos available)

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Hall: 012, Stand A16

### **Virtual security assistant for networks (437)**

The new Clear Blue Security solution is billed as the most comprehensive network security monitoring and optimization tool available for small and medium-sized businesses. Claimed to be easy to install and use, the application apparently provides operators with an instantaneous picture of their entire IT security situation. According to further descriptions on the homepage, it enables the monitoring of hundreds of computers in the same time it usually takes to monitor one and allows vulnerabilities within an entire network to be ascertained from a single browser-based console. The tool is said to work with all leading anti-virus and malware software and require minimal bandwidth and CPU power.

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## Communications

Hall: 011, Stand B56

### **VoIP extension modules for ICT systems (212)**

The exhibitors from Auerswald report that several expansion modules add useful internal IP telephony features to the ICT systems in their Compact and Commander series. The 6-VoIP module, for instance, expands the Compact 5020 VoIP to eight VoIP channels, which can be used in a flexible way for Internet telephony and internal IP telephony. Standard SIP (Session Initiation Protocol) telephones or the new IP system telephone Comfortel VoIP 2500 AB can thus be connected as internal subscribers of the PBX. Even in rooms without a telephone connection, telephony service can then be provided via the local data network. As a result, the external subscribers or mobile clients can be easily connected to the central telephony system using a broadband connection like DSL and are then handled as internal extensions. The same functionality is apparently available for the Commander Basic.2 and Commander Business systems. With the 8-VoIP and 16-VoIP modules, the VoIP speech channels are expanded here by eight or 16 channels. The internal and external communication is reportedly protected against interception by the protocols SIP and SRTP (Secure Real-Time Transfer protocol).

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Hall: 012, Stand C36

### **VoIP module with intelligent system functions (122)**

Tiptel.com will be launching a new VoIP module for its 410 to 811 family. The VoIP-C/P 8/16 modules have four gateway channels and eight IP extensions with up to sixteen telephone numbers (SIP accounts). The products have been conceived for integrating home office workers or achieving integration within the information and telephony infrastructure of a company worldwide. In addition to G.711a, the devices also support the bandwidth-saving voice compression codecs G.726-32 and G.729A/B. Intelligent system functions include a busy signal indicator panel with the Tiptel 83 VoIP IP telephone. In addition, the company's extension numbers can be used and are not identifiable for the callers. The modules are seen as an ideal alternative for dedicated lines that are no longer available. (Photos available)

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## Communications

Internet: <http://www.tiptel.com>

Hall: , Stand

### **Waist bag holds all gadgets on the road (788)**

The new Cross-Holster from Urban Tool in Austria is billed as an innovative accessory with multiple applications. Worn around the waist, the bag offers eight pockets for storing all essentials during sports, leisure time, and travel. A roomy and elastic pocket made of sporty mesh has been especially designed for storing unwieldy items such as water bottles and four slots on the front are said to safely house all kinds of gadgets. In addition, three zipper bags on the back side round off the product to make it a useful and convenient everyday accessory. (Photos available)

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Hall: 016, Stand F04/1

### **Waterproof and shock-resistant case development (576)**

Andres Industries is a German manufacturer of waterproof and shock-resistant outdoor IT solutions. An essential part of the business activity is the development of waterproof and shock-resistant cases for smartphones, PDAs, and Tablet PCs, whether on the company's own initiative or within the framework of customer orders. The exhibitors point to their longstanding know-how in the field. In 2006, for instance, a waterproof and shock-resistant industry PDA was developed in cooperation with Fujitsu Siemens Computers. More than 10,000 units of this ruggedized PDA have reportedly been sold. However, as is pointed out, case developments are also possible for all conceivable devices. Thanks to the maximum modularity of the existing serial products, a low threshold access can apparently already be enabled from a quantity of only 100 units. In the best case, only one single component has to be modified instead of a full redevelopment being necessary. (Photos available)

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Hall: , Stand

## Communications

### **Waterproof and shock-resistant Tablet PC (574)**

The new RPDA 870 on show from Andres Industries is claimed to be the only waterproof and shock-resistant Tablet PC with a seven-inch display. According to the German company, the device integrates highly modular electronics and has been designed to yield a maximum performance spectrum. A choice can be made between a 400 MHz, 800 MHz or Atom main processor and features such as GPRS, WLAN, Bluetooth, an inclination and compass sensor, and integrated GPS. The PC reportedly supports almost all industrial interfaces such as RS-232, RS-458, Canbus, or USB. With the innovative Snap-on modules, which can apparently be attached and detached within seconds, the appliance can be supplemented by RFID, a barcode scanner, or an additional rechargeable battery. The developer module offers the option of combining own electronic solutions. The product will be on the market at the end of March. (Photos available)

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Hall: , Stand

### **Waterproof, robust handheld with 3.5-inch display (575)**

The new RPDA 835 is a waterproof and shock-resistant handheld with a 3.5-inch display. According to Andres Industries, its functionality is no less extensive than that of its larger brother, the RPDA 870. The handheld can optionally feature a high-quality GPS system and a UMTS module to transmit large amounts of data quickly. The manufacturing is tailored to customer requirements. Thanks to the innovative Snap-on modules, which are said to be attached and detached within seconds, the device can be supplemented by RFID, a barcode scanner, or an additional rechargeable battery. The developer module offers the option of combining own electronic solutions. The product will be available starting in August. (Photos available)

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Hall: , Stand

## Communications

### **Wideband flat antenna in the 5 GHz range (64)**

Kenbotong Communication will be bringing their TDJ-5158BKT-C 5.2/5.5/5.8 GHz broadband flat panel antenna with them to the fair. Applications are seen in WLAN systems, 5.8 GHz UNII ISM systems, 802.11ag Wi-Fi systems, and point-to-point or point-to-multipoint applications. The antenna features three-band operation, a high gain, and a low VSWR (Voltage Standing Wave Ratio). The Chinese manufacturers also stress its light weight, small size, low profile, and strong corrosion resistance. There is an integrated cavity for customer equipment. The product comes supplied with a mast mounting kit. (Photos available)

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Hall: , Stand

### **Wi-Fi networks as location-tracking networks (174)**

The WG-WPS (Wireless GEST - Wireless Positioning System) enables existing Wi-Fi network infrastructures to achieve real-time location tracking. According to Nonius, the technology is able to locate a diversity of Wi-Fi devices, ranging from common laptops and PDAs to the more specialized Wi-Fi tags, which can be attached to assets or carried by people, sending alarm events on certain conditions such as asset misplacement or personnel entering areas to which they have no clearance. The primary applications are seen in the tracking of people and high-value assets, access control, and advertising nearby services directly on a user's PDA or laptop. The solution can reportedly locate up to 500 devices, whereby a higher capacity is available with a higher hardware specification. 2.5 D positioning is also feasible, which allows location tracking on multiple floors and buildings. The manufacturers particularly highlight the event processing from multiple devices as well as the comprehensive interfaces for configuration, management and operation. The precision is specified as 50 percent for less than 2 m and 90 percent for less than 5 m, depending on existing circumstances. (Photos available)

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Hall: , Stand

## Communications

### **Wireless broadband up to 100 Mbps across the home (981)**

The new Fritz-Box Fon WLAN 7390 will be premiered at the AVM stand. With this product, the Berlin communication specialist intends to set new standards in Internet connectivity and home networks. The new device features an elegant case and internal antennas. It integrates VDSL and ADSL for connections reaching up to 100 megabits per second. As the manufacturers stress, data, voice and multimedia can now be ideally distributed for the first time via WLAN N in the 2.4 and 5 GHz range at the same time. Four high-performance Gigabit Ethernet connections integrate devices linked to the network by cable. A further first is said to be the standard integration of two-gigabyte internal network storage with NAS functionality. The appliance is a further development of an established product line from the company and will be demonstrated for the first time at the fair. (Photos available)

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Hall: , Stand

### **Wireless Triple Play system with new standards (95)**

Air is billed as an innovative and integrated wireless network aimed at offering Triple Play services (Voice over IP, broadband Internet and digital TV). It provides wireless TV content from more than 150 channels in Mpeg-4 and Full HD quality at distances of over 30 km from the broadcasting point, wireless IP content in broadband quality with Docsis/Euro Docsis capacities at distances over 25 km, and wireless VoIP in digital ISDN quality at distances over 25 km. With the system's upgrade to these latest standards, Globtel says it has eliminated as much of the external influence caused by weather as possible. In addition, new 50 W base stations enable terrestrial wireless communications to broadcast up to 300 MHz bandwidths with either TV or IP content over distances up to 30 km. Moreover, new usable frequencies have also been added to the system. The exhibitors point out that they have also implemented new products for remote control and management of security, business and domestic-related services as well as a custom-made product solution for health care, security, power and similar companies.

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Hall: 013, Stand C75

## Communications

### **WLAN 802.11b/g Wi-Fi phone with simple settings (555)**

Wistron will be explaining the advantages of their WNC SPL-2 home-use Wi-Fi phone, which is based on 802.11b/g and the SIP V2 protocol. The phone features a large 1.8-inch bright color LCD display, a user-friendly interface, and an ergonomic design. The G.711 codec support is claimed to significantly reduce the bandwidth consumption caused by voice traffic. As is pointed out, the convenient calling features make the phone easy to use and include a message indicator, three-way conference calling, hands-free capability, and speed dialing. The keypad backlight is of assistance when a call is made in the dark. Several superior customizing-capable managing tools, including multiple profile provisioning, auto-provisioning, remote software upgrades and web provisioning, help simplify the settings and allow both parents and children to use the phone. The elegant cradle charger and harmonious polyphonic ring tone are also spotlighted. (Photos available)

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Hall: 013, Stand D79

### **WLAN 802.11n a/b/g mini-PCI module (553)**

Wistron NeWeb has developed a WNC DNMA-83 mini-PCI module that features 802.11n and has been specially designed for Linux operating systems with the mini-PCI type 3A form factor. It supports up to 3x3 Mimo (Multi-In, Multi-Out) technology, thus offering a significantly higher data rate and wider signal coverage than the typical wireless G network for embedded Wi-Fi network designs. The device is reportedly backward compatible with the 802.11a, 802.11b and 802.11g wireless standards, integrates support for the 64/128/152-bit WEP, WPA and WPA2 security encryption types, and is reportedly compliant with RoHS regulations. (Photos available)

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Hall: 013, Stand D79

## Communications

### **WLAN 802.11n client, access point and repeater (552)**

The WNC Rnea-81 access point (AP) from Wistron supports 802.11n to extend the capability of a current 802.11g wireless network. Based on MIMO (Multi-In, Multi-Out) technology and equipped with two antennas, users are thus provided with higher speeds and wider signal coverage. The device is said to be backward compatible with 802.11a, 802.11b and 802.11g, and supports multi-mode for various wireless requirements that allows users to switch between client, AP and repeater modes. According to the Taiwanese manufacturers, the device can be configured as a wireless client to receive wireless signals, used as an AP to build a wireless LAN, or deployed as a repeater to further extend wireless network coverage. A one-click connection is also supported to easily connect WPS-compliant (Wi-Fi Protected Setup) devices. The product is equipped with one 10/100 Mbps port for connecting the LAN and the security mechanism reportedly supports 64/128-bit WEP, WPA, WPA2, WPA-PSK and WPA2-PSK encryption types. (Photos available)

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Hall: 013, Stand D79

### **1U rack-mount platform based on Intel EP 80579 (490)**

Portwell will be exhibiting the new Cato-3000 platform series, which is based on the Intel EP 80579 integrated processor with Intel Quick Assist technology, the new Intel system-on-chip (SoC) solution with built-in security features. The processor design includes an Intel architecture complex based on the Pentium M processor, an integrated memory and I/O controller hub, and a flexible, integrated I/O on a single chip, which facilitates packet transmission in contrast to multi-chip solutions. The SoC integration provides direct access to memory, storage, computation and I/O process, yet offers a lower power consumption that is ideal for thermal-constrained environments. The processor also has three built-in 10/100/1,000 Ethernet MAC ports for compact, single-device designs and cost effectiveness. The platform is scalable from 600 MHz, 1.066 GHz and 1.2 GHz, with security features such as IP-Sec and SSL as well as TDM for supporting IP telephony. The 1U rack-mount system also boasts a PCI-E slot, an LCD module, an Ethernet bypass segment, and various memory and storage options for customization. (Photos available)

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Hall: , Stand

## Communications

### **2.4 GHz fiberglass omni antenna (63)**

A 2.4 GHz fiberglass omni antenna designated TQJ-2400 AT will be on display at the Kenbotong stand. Applications are seen in 2.4 GHz wireless LAN networks, 2.4 GHz ISM band applications, public wireless hotspots, and multipoint applications. The exhibitors praise its superior performance, high gain, low VSWR (Voltage Standing Wave Ratio), and its all-weather operation. The device has a lightweight fiberglass radome (radar dome) and heavy-duty steel mounting brackets. (Photos available)

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Hall: , Stand

### **26-combo-port managed fiber Internet switch (557)**

The new managed FOS-3126-Plus switch from Connection Technology Systems is a Layer-2 switch that provides 24 combo ports, namely 10/100/1,000 copper and dual-speed SFP, in its front panel and two combo ports, namely 1,000 copper and 1,000 Base-X SFP, in its rear panel. It also boasts Application QoS and Q-in-Q VLAN tunneling features. The switch is said to create a new standard in FTTx to solve network transmission bottlenecks and provide VoIP, IPTV and high-speed Internet to triple-play users. The device has been designed to meet the emerging FTTx and Metro Ethernet requirements. As is pointed out, its low profile appearance with 1U height and standard rack-mount size achieves the highest density within a single rack. According to the manufacturers, when a large number of fiber ports needs to be deployed, their product provides the best performance and price advantage. (Photos available)

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Hall: , Stand

## Communications

### **40/43 Gigabit Sonet/SDH test module (566)**

The FTB-8140 Transport Blazer is a 40/43 Gigabit Sonet/SDH test module from Exfo that provides advanced Sonet/SDH and OTN test functions at 40/43 Gbps transmission rates. According to the manufacturers, the key benefits are specified as OC-768/STM-256 testing with STS-1/AU-3 granularity and OTN testing at the OTU3 level, including forward error correction (FEC) as per ITU-T G.709. The module is reportedly compatible with NRZ, ODB and DPSK protocols and supports automated test scripting. (Photos available)

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**Telematics & Navigation, Automotive Solutions and Transport & Logistics**

**Accurate outdoor navigation software with 3D views (277)**

GPS Tuner in Hungary will be demonstrating the latest version of their GPS Tuner navigation software, which is seen as an ideal companion for leisure and professional activities. The main innovation is said to be the built-in global map, reportedly with a breathtaking 3D view. The company's strategic partnership with Tele Atlas is claimed to ensure an accurate and always up-to-date map for the users. In addition, special maps are also available for different user needs such as those involving ski resorts, whitewater kayak trails, horseback riding, or footpath networks. SOS and alarm functions are regarded as just as indispensable for offroaders as a real-time rotating digital compass and the large buttons on the user interface. A trip computer with 31 selectable tools records the activity for later review. The application is multi-lingual, with more than 20 languages supported. Specific and immediate uses are listed as geo-caching, jogging, mountain biking, skiing, skating, off-road driving, rally racing, motorcycle touring, climbing, hiking, forestry, fishing, hunting, military training, rescue activity, aviation, ballooning, and flying. (Photos available)

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Hall: 014, Stand G26/1

**Add-on recorder for fleet vehicle tracking (29)**

According to Arknava, their new G-Force recorder not only allows fleet owners to prevent accidents by monitoring the driving habits of their drivers but also helps them reduce fleet management costs. The recorder consists of a recording box and a 3D sensor box, which sends the vehicle's G-force values to the recording box wirelessly. The recording box has a micro SD card slot and an RS-232 port for connecting to a GPS vehicle tracker or a GPS receiver. Both GPS data and G-force values are recorded on a micro SD card in the recording box. The recording box also has an internal timer for giving a time stamp to each record. As the manufacturers point out, since the G-force sensor has to be exactly horizontal and parallel with the vehicle, it is very important to have flexibility in the installation and G-force triggering values. Therefore, thanks to the special design of having an independent G-force sensor, users can easily adjust the box position and triggering values. The product is seen as an optimal add-on device for a vehicle tracking system. (Photos available)

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Hall: , Stand

### **Alarm monitoring system for up to 8,000 objects (107)**

Andromeda is a modern alarm monitoring system that allows monitoring centers to be formed for stationary objects and mobile objects such as real estate and vehicles. According to C. Nord, the system allows the use of radio connections, phone lines, GSM channels and the Internet for reception of information from up to 8,000 objects. The software facilitates live control by rapid response teams via the GPS-based mobile monitoring system. A warranty of up to five years is reportedly provided. According to the developers, they have installed and are supporting more than 800 monitoring stations and two monitoring stations of their own are deployed in St. Petersburg and Moscow. As is pointed out, all products are licensed and certified. (Photos available)

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Hall: 015, Stand F37

### **Bon-contact device for driver behavior analysis (21)**

Nsecod is a specific driver behavior analysis algorithm that advises drivers and fleet managers without any contact to the vehicle. According to Nomadic solutions, the device does not need to connect to anything on the vehicles, which can be cars, trucks, buses or similar vehicles, in order to obtain information about the fuel consumption, kilometers driven, and speed. The product enables driver behavior analysis, preventive maintenance and ecological driving and is one of several applications to improve driver behavior and safety without installations. Fleet managers, insurance companies and rental car firms can thus optimize their mobile assets and implement eco-driving guidelines. (Photos available)

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Hall: 015, Stand E37

**Combo unit for audio surveillance and GPS tracking (314)**

MPU 400 is a combo device for audio surveillance and GPS tracking from Algodue. The product allows remote audio surveillance to be carried out by GSM network connection and the tracking of moving vehicles. Features include two microphones that can be selected for two listening points in different positions, 2 MB of non-volatile memory for recording data, approximately 70,000 positions detected, and about 1,900 events determined by sensors. The tracking coordinates can be sent by SMS, GPRS or GSM data channels, according to convenience. An anti-tapping function is also integrated. The built-in accelerometer reportedly makes it possible to apply GSM network connection-saving parameters when the target is standing still and thus optimize the amount of data sent and recorded without losing useful information. The Vox function enables automatic activation of the audio connection after a programmable sound limit has been exceeded. The exhibitors also stress the possibility of downloading the data recorded to the PC via GSM data connection, GPRS or a local connection.

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Hall: 014, Stand J27

**Compact, self-contained AVL tracking system (14)**

The new AVL (Automatic Vehicle Location) tracking system, Looket LBS, released by Sys-On-Chip in Korea comes in a compact design. It is billed as a powerful, real-time fleet management and vehicle tracking system that uses high-sensitivity GPS and wireless GSM/GPRS communication. The self-contained, autonomous tracking device includes a Siemens GSM module, a Sirf Star III GPS chipset, a rechargeable lithium-ion battery and SIM card reader. It can apparently be used to observe the location of vehicles and assets, for car security, and for personal navigation. The system features position request via SMS or GPRS, emergency alert and the sending of SMS to predefined cellular numbers, and auto-position logging or reports based on configurable time or distance interval. The data logging capacity is specified as up to a maximum of 1,440 points and the firmware can be updated via GPRS. The configurable GEO-fencing capability is also highlighted. (Photos available)

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Hall: , Stand

**Contactless CAN bus interface for fleet control (164)**

Muxy Fleet from Nomadic Solutions is a contactless CAN bus interface with the ability to store the user's own software to manage the CAN signal. As is explained by the French manufacturers, the device captures and forwards CAN bus data without any electrical contact in a non-intrusive manner. More than a hundred sets of data transferred onto the CAN bus are potentially available, including the kilometers traveled, the fuel consumption, driver behavior details such as speed and acceleration, and maintenance information like status levels or alarms. The product range has been developed to answer varied needs as regards driving behavior in the fields of fleet management or accident management applications. (Photos available)

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Hall: 015, Stand E37

**Dual-channel VHF transceiver for positioning (53)**

The AIS-700 Automatic Identification System from San Jose Navigation is a dual-channel VHF transceiver designed to broadcast a vessel's position and receive the position data from surrounding vessels to prevent collisions. The device is equipped with a two-channel AIS transceiver, embedded with a GPS receiver, and also equipped with a GPS antenna. The transceiver has dimensions of 140x131.4x46 mm and weighs 600 grams. The manufacturers in Taiwan also point to the IEC 61108-1 compliancy, the RS-232 interfaces, the bi-directional 38.4 kilobaud rate, the RS-422 NMEA, the four-pole plug VHF antenna connector, and the BNC GPS antenna connector. The output power is specified as 33 dBm +/- 1.5 dB and the channel bandwidth as 25 kHz. The sensitivity is said to be - 110 dBm at 25 kHz. The operating temperature ranges from -25°C to +55°C. Various indicators for on, TX, RX, status, TX timeout, error and TX off are incorporated. (Photos available)

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### **End-to-end solutions for connected navigation (474)**

DeCarta reports that it provides complete, end-to-end solutions for companies wishing to deliver a connected navigation (CNAV) service to the marketplace. As is explained, modern GPS devices contain maps and points-of-interest data that can be very old. The company says it breaks free from this closed system by adding dynamic connectivity to the equation. Its expertise in server-side mapping solutions and mobile navigation is said to enable users to build fleet tracking and mobile resource management applications with new levels of utility, performance and scalability. Full-featured platforms and numerous APIs are available for the development of fleet tracking and mobile navigation solutions. The developers point out that their geospatial technology is highly scalable to meet the needs of mission-critical, large-enterprise customers. Fleet, dispatch and logistics solutions should be able to benefit from the superior routing and the integration of real-time and predictive traffic. With Nav.Net, for instance, an in-vehicle navigator solution can apparently be easily developed that is connected to a CRM and dispatch solution.

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### **Fleet management system using GPS and GSM (115)**

The Andromeda fleet management system on display from C. Nord in Russia controls routes and vehicle schedules in real-time mode using GPS and GSM. According to the exhibitors, for cases when it is impossible to use a communication channel, they have developed an autonomous solution for control in history viewing mode. A special Can adapter is available for trucks for the precision control of fuel and other parameters. The company recommends its web-based monitoring system for end users since it is a very fast and cheap way to control vehicles or staff. For partners, a complex solution is offered to start up new business and for manufacturing companies, the software can be provided as an OEM solution. The warranty of up to five years is also stressed and the organization of all the required licenses and certificates is taken care of. (Photos available)

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### **GPS handhelds with mobile TV functionality (156)**

According to A-Max Technology, thanks to the decrease in size, lower price and the more versatile applications incorporated, GPS devices are becoming increasingly popular for consumers. Traveling around an unfamiliar city, users are less inclined to get lost with a hand-held GPS device in their hand, in their pocket, on their bicycle, or in their car. Such devices not only serve as a reliable guide, they also provide real-time information to avoid traffic jams, warn about road safety cameras, and help discover places of interest. The company is now presenting its 2.7-inch, 3.5-inch and 4.3-inch touchscreen handheld GPS devices with Bluetooth and TMC (Traffic Message Channel) functions as well as SD/MMC card slots for memory expansion. As the company points out, apart from functioning as a music, video and picture player, the devices now feature an innovative feature in the form of a mobile TV function. The products are now commercially available on the Japanese, Chinese and Brazilian markets. (Photos available)

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### **GPS navigation software for mobile devices (4)**

The new Co-Pilot Live version 8 is said to bring the latest navigation software to portable navigation devices (PNDs), smartphones and mobile Internet devices (MIDs). According to the developers, the software makes every journey much easier, whether by car or on foot, thanks to detailed voice guidance, the latest 3D graphics technology, and real-time live services. Features highlighted include full 3D mapping with buildings and landmarks, enhanced lane guidance, real signpost displays, the Clear Turn T reality view at road junctions, guidance in tunnels, text-to-speech voice guidance, and Command T voice recognition for hands-free use. The English exhibitors further point to the full-featured pedestrian navigation with footpaths, what they call the intuitive and fluid user interface with flickable menus and maps, the geo-tagged photo navigation, the safety camera alerts with automatic updates, and the connected navigation with live search, traffic, fuel prices and weather information. The solution supports automatic status updates to Facebook and Twitter and deploys Skyhook XPS technology for faster GPS acquisition. (Photos available)

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### **GPS personal locator for bicycle travelers (550)**

The GPS specialists at Compass Systems will be introducing their new bike GPS solution. The BG 728 is characterized as an outdoor GPS personal locator with a digital compass, the Backtrack function for straight-line distance measuring of the back track point, and a data logger for bicycle travelers. As the manufacturers in Taiwan explain, it can instantly tell users the remaining distance and direction to their target points. The specialized GPS handheld receiver for cyclists is reportedly waterproof according to the IPX7 specification standard. (Photos available)

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### **GPS tracking device for pet location monitoring (294)**

One of the many real-time GPS locator products from Inosat in Portugal is specifically designated as a Pet Locator. As is explained, the device is simply fastened onto a pet's neck in order to gain access to its location at any time. With this system, which has no monthly fees and has a battery that is said to last up to 30 days in standby mode, pet owners can locate the unit in a matter of seconds anywhere in the world. The locating itself can apparently be effected via the Internet, a cell phone or a PDA. As the exhibitors put it, the tracker allows careful owners to have more control over their dogs or other treasured animals and helps them keep them in total safety. (Photos available)

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**High-performance, portable navigation system (16)**

One of the portable GPS navigation systems on show from Sys-On-Chip will be the Locket G8. Said to come in a compact and slim design, it features a 400 MHz CPU based on Win CE.Net 5.0, a 3.5-inch TFT LCD, an embedded high-performance GPS receiver, and a sensitive GPS chipset. According to the Korean exhibitors, motorists can not only identify their real-time location with the device, but can also take advantage of the image viewer and other functions to enjoy mobile entertainment on the go. There is also a model with integrated TMC (Traffic Messaging Channel) capability as an option to give drivers up-to-date traffic information where the service is available. The manufacturers add that their long experience in the GPS field enables them to handle all kinds of OEM/ODM projects. (Photos available)

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**Inexpensive off-line tracking solution (30)**

Arknava reports the development of a very cost-effective and user-friendly off-line tracking solution, which consists of a Geo-18 GPS data logger and the company's own off-line tracking software. Micro SD cards are used for storage. Unlike other GPS loggers, the new solution does not have any USB drivers or configuration software. Once plugged into a PC, it will be recognized as a removable mass storage device. According to the exhibitors, its stored data can also be used with most free geo-tagging software packages and web album services, such as Locr and Picasa. The off-line tracking software is described as a special package dedicated to fleet management, dispatching and workforce management. It is integrated with Google maps and has many advanced functions, such as travel distance calculation, delivery/pick-up points checking, multi-account management, a history track player and stop-time calculation, as well as daily, weekly or monthly report exports. As is particularly stressed, the cost of the system is so low that even small-sized companies can use it to reduce their daily spending. (Photos available)

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**Intelligent GPS vehicle tracking solution (687)**

Systems and Technology in Taiwan announces an advanced GPS tracking solution called Intellitrac A1. Reportedly maintaining the core features of Intellitrac X series, the new solution is said to have been designed with a brand new mechanism, with a built-in 3G sensor for impact detection, and with power management to ensure minimal power consumption. It is conceived as a more flexible and user-friendly platform for system and software integration. Applications are seen in areas such as driver behavior analysis, fuel-saving, route planning, mileage assessment, dispatching, driver security, anti-theft protection, tow alarms, vehicle and goods recovery, and accident analysis. (Photos available)

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**Internet car radios with vast program selection (705)**

Blaupunkt has partnered with the Mi-Roamer online portal to introduce what are claimed to be the world's first Internet car radios, the New Jersey 600i and Hamburg 600i. As a result, drivers can reportedly access the largest and most diverse global selection of Internet radio from their car stereo. The innovation will enable drivers to tune into tens of thousands of radio stations available through the portal. According to the German manufacturers, favorite Internet radio stations can be easily chosen via clearly arranged information on a large screen display. The experience is said to be enriched by state-of-the-art performance in terms of car multimedia and consumer electronics connectivity. Genres and stations can be browsed and preferences, providers and search options can be customized online at the portal website. The portal also allows users to add media that is not currently on offer at its site by simply providing the URL and adding it to their favorites. (Photos available)

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### **Light and very small wrist-worn GPS tracker (52)**

San Jose Technology has launched the new portable wrist-worn MT-102 Personal Tracker, which it claims is the world's smallest real-time GPS tracker. It can apparently be taken anywhere and worn all day. The gadget is portable, handy and easy to use, and features special modes for most advanced tracking and emergency locating services available today for the benefit of personal safety. It supports both SMS and GPRS data transmission to transmit location data and it also has an emergency SOS button. The mini-tracker is also claimed to be stylish and fashionable. Further specifications include SIRF III, programmable auto reporting, Geofence availability, and support for HTTP, TCP and UDP transmission. Applications are seen in sports tracking, personal tracking, family and child protection, patient protection in hospitals and medical facilities, senior citizen protection, assets protection, vehicle tracking, and pet safety. (Photos available)

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### **Monitoring solution for vehicles, people or objects (457)**

Smartnav will be introducing GPS Blade, billed as a pioneering service for surveillance and protection of one or more vehicles, persons or objects using the Internet or a mobile phone. The new service can track down several vehicles simultaneously and in real time, on a map on the Internet or on a mobile telephone. It records a routes log that includes all the relevant details. Analysis and reporting tools are included for vehicle state inspection along with alert signals management. In addition, driver identity checks can be conducted using the I-button and engine start-ups can be prevented. Further features include remote immobilization, warnings when pre-set speed limits are exceeded, and the definition of geographical boundaries for movement. In the domain of monitoring persons, the solution can also carry out the above functions, with the exception of immobilization. For object security purposes, a warning is issued when an object is moved from its original location and its movement can be monitored. All tracking and administration is done via a web interface, thus minimizing installation and configuration issues since no software is installed locally on the clients.

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### **Navigation and task management in one program (296)**

According to Inosat in Portugal, their Navigator is much more than a simple navigator. It is also billed as a task manager that serves to increase productivity in fleet management. With this task management system, the driver receives tasks with the exact address, allowing the driver to navigate directly to them by pressing a single button. With the aid of this solution, there is said to be a reduction in the number of kilometers driven by 16 percent, and the journey time can be reduced by 18 percent when driving in an unfamiliar area to an unfamiliar destination. (Photos available)

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### **Portable GPS navigation and mobile entertainment (15)**

The new portable GPS navigation system, Looket N5, launched by Sys-On-Chip is described as a powerful portable navigation system with a 400 MHz CPU in a slim, sleek design. It is based on the Win CE.Net 5.0 operating system and features a 4.3-inch TFT LCD, an embedded high-performance GPS receiver, and a sensitive GPS chipset. According to the manufacturers, drivers can see their real-time location and utilize the portable GPS navigation system wherever they go. In addition, optional features include a multimedia player, an FM transmitter and AV-in capability to provide mobile entertainment as well as portable navigation. The device also comes in a version with built-in TMC (Traffic Messaging Channel) so that drivers can access their own destination faster than before with up-to-date traffic information wherever the corresponding service is available. (Photos available)

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**Portable GPS navigation and mobile entertainment (598)**

The new portable GPS navigation system, Looket N5, launched by Sys-On-Chip is described as a powerful portable navigation system with a 400 MHz CPU in a slim, sleek design. It is based on the Win CE.Net 5.0 operating system and features a 4.3-inch TFT LCD, an embedded high-performance GPS receiver, and a Sirf Star III GPS chipset. According to the exhibitors from Korea, drivers can see their real-time location and utilize the portable GPS navigation system wherever they go. In addition, as reported on the homepage, an MP3 player is also integrated as standard, and optional features include an image viewer, a WMV playback function, an FM transmitter and AV-in capability to provide mobile entertainment as well as portable navigation. The device also comes in the N6 version with built-in TMC (Traffic Messaging Channel) so that drivers can access their destination faster than before with up-to-date traffic information wherever the corresponding service is available. (Photos available)

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**Portable navigator with MP3 and WMV playback (17)**

Sys-On-Chip in Korea plan to highlight their Looket G7 portable GPS navigation system. The device is based on Win CE.Net 4.2 and comprises a 400 MHz CPU, an embedded high-performance GPS receiver, a sensitive GPS chipset, and a 3.5-inch TFT LCD screen. The real-time location information that is provided is said to be perfect for driving in a car, going on a walk, or taking a bike ride. The image viewer and the MP3 and WMV playback function also allow users to enjoy mobile entertainment in addition to the portable navigation. The company points out that its decade of GPS manufacturing experience also enables it to handle complex OEM/ODM projects. (Photos available)

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**Real-time GPS device for child location (293)**

One of the Inosat products highlighted at the fair will be their real-time GPS Child Locator. The exhibitors from Portugal explain that the device is simply placed in any type of clothing or object carried by a child so as to provide continuous access to the child's location at any time. With this system, which has no monthly fees and has a battery that can reportedly last up to 30 days in standby mode, the unit can apparently be located in a matter of seconds and anywhere in the world. The actual location procedure can be carried out via Internet, cell phone or PDA. The device is designed to give parents peace of mind. (Photos available)

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**Real-time GPS locator to prevent car theft (292)**

The Car Locator from Inosat in Portugal is a real-time GPS locator that reportedly enables a vehicle to be located anywhere in the world. The solution issues an alarm whenever the security zone is exceeded and also includes an ignition alarm, a car battery alarm, a speed alarm, and an automatic safety shield alarm. The device is intended to prohibit car theft. (Photos available)

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**Satellite messenger transmits GPS coordinates (315)**

As Algodue reports, their Spot satellite messenger sends GPS coordinates to a GEOS emergency response center every five minutes. Emergency responders are then updated with the last known location. Since it uses hundred-percent satellite technology, the solution works virtually anywhere. It includes alert emergency responders to the GPS location, which allows contacts to track progress using Google Maps. The Alert 911 serves to notify emergency services of a location if help is needed. Moreover, in the event of a non-life threatening emergency, users can use the function to notify their Spot team, the friends and family chosen as contacts, that they need assistance. The Spot casting SM feature allows friends and family to follow one's progress in real time using a password, or to save way points so one can review an entire route at a later date. The Spot checking SM capability tells the team that all is well, notifies them of a location, and also saves way points for later review.

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**Security solution for tracking kids, pets and cars (549)**

Compass Systems, a Taiwanese specialist in Global Position System (GPS) technology and the development of GPS-related consumer electronics, will be unveiling their new Tracker. The device is seen as an ideal product for personal security and monitoring. The company's total solution for tracking handhelds comprises the device itself, a control center and server, a PC program, and Google Maps. Easy updates and maintenance are said to be carried out, with all settings saved in device. Details on the homepage point up the listening monitoring function, the geo-fence reporting function, the historical tracking record, and the low power consumption. (Photos available)

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**Tracking application for Symbian S60 mobiles (311)**

SOS Phone has been designed as an application for Symbian S60 mobile devices. The application can be used with mobile phones with integrated GPS as well as mobile phones with an external Bluetooth GPS system. According to Algodue Elettronica, the main features comprise sending a SOS message including an actual GPS position to a dedicated web server using a GPRS connection or SMS or to another mobile phone using SMS. The Italian developers highlight the Track Me functionality, which allows people to be tracked using a web server. Once started, the program operates in the background. An icon then displays if it is operating or not. A simple setup interface is incorporated to configure GPRS connections or SMS destination numbers. The SOS and Track Me functionality are started by the user pushing a keypad button.

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**Tracking device with Sirf Start III chipset (551)**

Back Track is a new solution from the GPS solution providers at Compass Systems that carries out estimated straight-line distance measuring of the back track point. According to the developers in Taiwan, the device boasts a Sirf Start III chipset and 20 parallel channels. The company emphasizes its knowledge of the Global Positioning System technology and its expertise in system integration. (Photos available)

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**Tracking software for people and objects (313)**

The G-Track investigation software presented by the Italian exhibitors from Algodue Elettronica is software used to track objects, people, and vehicles. The dedicated database allows easy management of all information acquired from the company's trackers, such as GPS positions. The database has been designed to allow user-friendly and efficient search functions like select information by position, select information by date, select information by hour, and select information by tracker identifier. It is also able to label a specific position reference for a faster analysis of the data. One of the most important features of the software is seen in the fact that, if GPS is not available, it is also possible to detect or store GSM cell information. Using a previously created GSM cell database together with a dedicated algorithm, it is possible to determine the position where the tracking device is located.

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**Ultra-small GPS data logger with two-day battery (54)**

The ML-7S is described by San Jose Navigation as the smallest GPS data logger in the world. According to the manufacturers, it can be easily hidden thanks to its small size and light weight. Applications are seen in dove tracking, photo management, sport tracking and vehicle tracking. Features highlighted by the exhibitors include 51 independent tracking channels, 16 MB of flash memory, and a battery life for two days of use. The company homepage also points to the USB-to-RS232 cable charger, the reacquisition time of under one second, and the sensitivity of -146 dBm. (Photos available)

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### **Video navigation device recognizes speed limits (704)**

Thanks to its integrated camera, the Travel Pilot 500 from Blaupunkt is reportedly capable of recognizing speed limits, with visual and acoustic warnings to the driver, and of reproducing a picture of the actual street onto the 4.3-inch color display. As the developers in Hildesheim, Germany explain, the directions for recommended route guidance appear on the screen, just as they are in reality, which makes them quick and easy to understand. Turning recommendations are superimposed on the picture of the actual traffic situation. The simply operated navigator provides power for up to five hours and can be easily removed and replaced if necessary. Further features include the destination input via a voice dialog system, Internet access via Bluetooth and WLAN for surfing, e-mail, Internet telephony, Internet radio and podcasts, the 8 GB memory and SD card slot, and the pre-installed navigation data for 41 European countries. In addition, a 2-megapixel photo camera is also integrated, as is a photo viewer, a Bluetooth hands-free system, and audio streaming. The Phrase Book with voice output supports 18 languages. (Photos available)

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Hall: 014, Stand G20

### **Video navigation with voice control, TV and Internet (703)**

The Blaupunkt Travel Pilot 700 provides video navigation with turning recommendations superimposed on the picture of the actual traffic situation. On the road, an integrated camera makes it possible to project the route ahead onto the color screen. Further key features of the sophisticated device, which is equipped with a dual-core 500 MHz Titanium processor, are seen in the display of speed limits using camera-based traffic sign recognition and the destination input via a voice dialog system. Navigation data has already been installed for 42 European countries, including Russia. In addition, the integrated DVB-T receiver allows television reception. There is also a WLAN or Bluetooth connection for Internet browsers, e-mail, Internet telephony, Internet radio and podcasts, as well as an integrated 2-megapixel photo camera with video function. Additional functionality embraces a photo viewer, a player for music and video, a Bluetooth hands-free system, and audio streaming. The Phrase Book with voice output offers support for 18 languages. Finally, a Mobile Office reader for Word, Excel, Powerpoint and PDF files is also integrated. (Photos available)

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Hall: 014, Stand G20

### **Waterproof GPS tracker with wide power input range (28)**

The exhibitors from Arknava will be demonstrating a new waterproof GPS tracker for motorcycles, motor boats, caravans, and outdoor equipment. The compact and easily installed device features an IP 66 casing, an SMS remote control for engine on/off, a panic input for emergencies or anti-theft purposes, a wide power supply range from 6 to 37 volts, and auto-switching into sleep mode. The stand-by time is said to be up to two years. The Starsnav R-35W tracker can be used when external power is not always available or when a long stand-by time is required. When in sleep mode, it can reportedly operate for two to three years by using its own backup battery. The panic button provides emergency help requests for users and outputs can be set up to create an automated anti-theft function that, when tripped or broken, can send alerts to emergency services or even be used to disable an engine remotely. Thanks to its advanced design, the manufacturers see the device as an ideal GPS tracker for anti-theft, recovery and tracking in harsh conditions. (Photos available)

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Internet: <http://www.starsnav.com>  
Hall: , Stand

### **Waterproof, rugged GSM/GPS vehicle unit (202)**

ERM Electronic Systems will be unveiling their new Starlink waterproof unit for automotive and motorcycle use. The device has been specially designed for outdoor installation and can be effectively deployed for Automatic Vehicle Location purposes. The manufacturers highlight the low power consumption and the built-in GSM and GPS antenna that optimizes signal loss and helps isolate outside radio interference. The antenna is compact and facilitates the easy fitting of the system. A backup battery has been integrated. (Photos available)

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Internet: <http://www.erm.co.il>  
Hall: , Stand

**Web-based fleet management with rich reporting (295)**

Inofleet is described as an innovative web-based service for fleet management via the Internet. The system has been conceived for companies with specific needs in the area of the operational and technical management of fleets as well as for managers who are concerned about their fleet and cargo security and who want to work with reliable information. According to the Portuguese developers, the manager can view the location of all vehicles in any part of the world at any moment in time through any computer connected to the Internet. In addition, the user has access to a vast group of reports that reportedly allow him to analyze the performance of the fleet from different perspectives. (Photos available)

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Internet: <http://www.inosat.pt>  
Hall: 015, Stand A02/1

**2.4 GHz Wi-Fi antenna with a gain of 1.5 dB (56)**

One of the products that San Jose Navigation will be bringing to the fair is their EEN-113 antenna. Specifications listed by the Taiwanese company include a frequency range from 2,400 to 2,500 MHz (2.4 GHz), a gain of 1.5 dB, a VSWR (Voltage Standing Wave Ratio) of less than 2.0:1, and an impedance of 50 ohms. The antenna has an SMA(P) connector and measures 9.3 mm in diameter and 60.4 mm in height. With its connector, the weight is given as just over 10 grams. However, the exhibitors warn that these specifications are subject to change without notice. (Photos available)

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Hall: 014, Stand G28/1

### Internet & Mobile Solutions

#### **Banknote discriminators and currency counters (681)**

Plus Banking Machines from Korea will be showcasing two of their latest products. The P-624 Two-Pocket Discriminator features value counting, high-quality full counterfeit detection, denomination detection, sorting by face and orientation, and a currency counter. On their homepage, the manufacturers also highlight the large, easy-to-read LCD display, the optional RS-232C interface, the optional thermal printer, and the patented dust collector. The denomination speed is given as 1,000 notes per minute on the website. The second exhibit, the P-506A device, reportedly supports stable counting with high-quality full counterfeit detection, denomination detection, and Euro note value counting.

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Hall: 017, Stand E01

#### **High-performance direct thermal label printer (635)**

The LK-B30 label printer is reportedly distinguished by its high performance for reliable label print quality. The direct thermal printer reportedly achieves a high-speed printing rate of 152 mm/s. The device features an adjustable paper width from 18 to 118 mm and a roll capacity from 25.4 to 127 mm. The exhibitors also point to the moving paper sensors said to be suitable for using fanfold paper, the data cancel function, and the auto calibration function for initializing purposes. The printer supports various types of barcodes and true-type fonts and a peeler is specified as an optional accessory. ZPL and EPLII are listed as emulation languages. A Windows driver is included. (Photos available)

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Hall: 017, Stand D48

### **High-resolution mobile receipt and label printer (637)**

The LK-P41 is a mobile, four-inch thermal receipt and label printer. Key features spotlighted by the exhibitors include the high-speed printing at 80 mm/s, the adjustable paper width from 50 to 112 mm, and the high resolution of 203 dpi. The device is said to facilitate easy paper-roll loading and the roll paper capacity is specified as 56 mm (out diameter). A software development kit for Win CE and Win Mobile is available. (Photos available)

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Hall: 017, Stand D48

### **High-speed thermal point-of-sale receipt printer (633)**

The LK-T21 POS printer on display at the Sewoo stand is billed as a high-speed and high-quality thermal receipt printer. as the exhibitors specify, it features high-speed printing at 200 mm/s. The printing width is given as 72 mm and the paper width as from 50 to 82.5 mm. The easy media loading, the watermark function and the auto status back function are also highlighted. The homepage adds that the resolution is 180 dpi and that the dot pitch is 0.141x0.141 mm. (Photos available)

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Hall: 017, Stand D48

## Internet & Mobile Solutions

### **LCD PC solutions and touchscreen applications (680)**

Sinocan from China will be demonstrating their new developments. The company says it specializes in LCD PCs, all-in-one PCs and panel PCs, in Point-of-Sale display systems, LCD touchscreen monitors and kiosk applications. The LCD products are all integrated with a touchscreen and, as is pointed out, one monitor can integrate resistive-touch, capacitive-touch, and SAW (Surface Acoustic Wave) touch capabilities with both USB and serial ports. The units are claimed to manifest consistent reliability and a fast delivery time. The products are available with monitors in sizes from 12 to 22 inches. (Photos available)

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Hall: 017, Stand E62

### **Low-cost POS terminal for hospitality and retail (610)**

ICG will be showcasing the all-in-one point-of-sale terminal Hiopos for the hospitality and retail sectors that have been using cash registers up to now. The company describes its exhibit as a low-cost, auto-installable solution that requires no training or technical support. The solution can reportedly be installed in less than 20 minutes. It includes a terminal with a 10.4-inch touchscreen, the latest-generation software for hospitality and retail establishments, a thermal printer, a customer display, a magnetic swipe card reader, network connection, and the Microsoft Wepos (Windows XP Embedded for Point-of-Service) operating system. According to the Spanish exhibitors, the new product is the result of more than three years of investigation and development coupled with a use of the latest usability methods and .Net development technologies. (Photos available)

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Hall: , Stand

## Internet & Mobile Solutions

### **Mobile direct thermal printer with 320 dpi (636)**

Sewoo will be demonstrating the LK-P20 two-inch mobile receipt printer. The device features a high printing rate of 80 mm/s and a printing width of 48 mm. The exhibitors draw special attention to the high resolution of 203 dpi. The printer is apparently both strong and light with a rugged design. Moreover, a software development kit for Win CE and Win Mobile is available. The roll paper capacity is given as 48 mm (out diameter). The product is powered by a long-lived battery with 1,800 mAh. The homepage also highlights the 1D and 2D barcode printing capability and the easy paper-roll loading. (Photos available)

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Hall: 017, Stand D48

### **Point-of-sale dot impact printer (634)**

Sewoo specializes in point-of-sale (POS) printers and CAT (Credit Authorization Terminal) devices. The company will be presenting its LK-D30 POS dot impact printer with paper drop-in and a high-speed printing rate of five lines per second. The printing width is specified as 63.5 mm. the exhibitors also highlight the clam-shell-type construction and the optional auto cutter. The ribbon is said to be ERC-38-compatible and three-ply paper printing is available. (Photos available)

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Hall: 017, Stand D48

## Interactive Entertainment

### Interactive Entertainment

#### **Desktop solution for forgery-proof ID cards (214)**

The EDI Secure LCP 9000 Laser Color Personalization system is billed as the first desktop solution to produce fraud-resistant, high-security ID cards. The system reportedly integrates high-quality XID Retransfer color printing and secure laser engraving on a single card in a one-step process, making credential forgery and manipulation practically impossible. The solution is said to allow the combination of an unrivaled variety of security features, such as on-demand personalization of data as micro-text, CLI (Changeable Laser Image) and MLI (Multiple Laser Image), tactile effects, high-resolution gradient UV printing, electronic guilloche, and IPI (Invisible Personal Information). All card materials such as polycarbonate, but even the more cost-efficient ABS and PET card bodies, can apparently be personalized. The modular system can be individually configured and combined. The Laser Engraver Unit is also available as the standalone LES 9000 system for the black-and-white laser engraving of up to 320 single-sided cards per hour and is equipped with a lockable automatic card hopper for 350 cards and optional integrated encoders for magnetic stripe and smart cards. (Photos available)

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Hall: , Stand



## Public Sector Parc

### Public Sector Parc

#### **Assisted living using enhanced speech applications (811)**

The European Media Laboratory engages in research on intuitive, multimodal interfaces for human-computer interaction. In close cooperation with leading technology companies, it develops solutions for the use of speech applications in everyday scenarios. An initial prototype is capable of controlling home technology, such as heating, lighting and blinds, and consumer electronics in an intelligent house by means of spoken commands. By extending the menus of a WLAN-capable audio player to include speech-control functions, the exhibitors say they have both improved the basic technology of the speech recognizer involved, for example the reliable recognition of words from foreign languages, and also embarked on the stepwise introduction of flexible, natural-language dialog strategies. Large-scale user studies are conducted to evaluate these strategies. The studies should be able to supply data relevant to the adaptation of the application to individual users, for instance by taking account of personal preferences and habits.

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Hall: 009, Stand C40

#### **Automatic transcription of spontaneous oral dialog (812)**

In close cooperation with leading technology companies, the European Media Laboratory reports that it develops solutions for content retrieval from audio data of the kind required by call centers or needed in digital media archives. The automatic transcription of spontaneous oral dialogs is the objective of the project Transcription for Helpdesk Quality Monitoring. As the exhibitors explain, verbal exchanges between customers and helpdesk agents are transformed into text via automatic speech recognition with a view to making the content available to an agent or supervisor as quickly as possible. The automatic evaluation of such dialogs, including the use of speech comprehension methods, also extends to their categorization and ranking, for instance for call ranking. An incrementally extendable architecture for web services is said to ease the integration into existing infrastructures, and a high degree of automation is geared to enabling partners with little or no speech recognition expertise to devise high-quality recognizers.

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## Public Sector Parc

Hall: 009, Stand C40

### **Body-gesture-controlled presentation software (695)**

Scientists from the Parallel Computing and VLSI (Very Large Scale Integration) Group at the distance teaching university in Hagen will be demonstrating their newly developed Total Freedom Presentation Software. This is claimed to be the world's first body gesture presentation system. The software reportedly supports formats like MJPG and Jpeg and runs efficiently on older hardware like P-mobile. The exhibitors also specify the features of motion control picture feedback and camera picture feedback. The freedom from spyware and malware and the lack of a phone-home service are highlighted as security advantages. The source code is apparently available for an additional charge. (Photos available)

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Hall: 009, Stand D06

### **Creating virtual worlds in front of the monitor (894)**

Leonar3Do from 3D for All is said to be capable of transforming an ordinary PC into a 3D system easily accessible to a mass user base. The solution consists of sensors attached to the monitor, a pair of goggles, a 3D marker or Bird to manipulate objects with a 3D cursor, a console that coordinates these functions and communicates with the PC, and specialized software. The result is described as nothing less than a virtual world created in the space between the user and the monitor that can be manipulated using the Bird. As the Hungarian company maintains, home users, teachers and many professionals would be using virtual reality if the tools were available. Up to now, however, manufacturers of 3D tools for virtual reality have not thought in terms of a complete work environment and the current market devices are only employed for specialist purposes and are expensive and difficult to use. The exhibit is apparently the first and only true working environment solution to meet the criteria for mass-market use, namely an affordable price for home users and easy installation and operation. Users can reportedly switch easily between the 3D and the regular 2D operating modes. (Photos available)

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Internet: <http://www.3dforall.hu>

## Public Sector Parc

Hall: 009, Stand A32/1

### **Exercising monitor for heart failure convalescents (944)**

The Fraunhofer Institute for Photonic Microsystems (IPMS) will be presenting a home gateway system to monitor physical training in spite of heart failures. As is pointed out, exercise is very important for people suffering from heart failures but it is difficult to know how far they can go without overstressing themselves. The Sysvital system comprises a basic unit worn on the body at all times that measures and records movements and heart rates (ECG). Thanks to its very small and lightweight design, it does not interfere with daily activities. The minimum and maximum heart rate, ST changes and atria fibrillations are determined within the unit, which is about the size of a deck of playing cards. The patient's movement is recorded and classified in real time. The combination of the individual measurements is said to improve diagnosis significantly, for instance in ascertaining the recovery time following physical activity. Via the gateway, the data are transferred to an Internet portal, where a physician can access the file. Operation of the unit is said to be very simple and it can also be augmented with components to measure blood pressure, weight and blood sugar levels. (Photos available)

Fraunhofer-Institut für photonische Mikrosysteme (IPMS)

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Hall: 009, Stand C93

### **High-performance, mobile three-inch printer (357)**

The mobile printer specialists from Woosim will be presenting the WSP-i350 high-performance three-inch printer, which is described as an improved version of their mobile printer conceived for industrial and commercial requirements. The appliance features a durable rugged design and a water-resistant construction. According to the manufacturers, it is drop-resistant to 1.5 meters and achieves a high speed of 60 mm/s. The printer supports 1&2 or 2&3 track MSR (Magnetic Strip Reader) reading and has an LCD with backlight with a resolution of 128x32 dpi. The machine is compact and easy to carry around. The exhibitors also point to its label printing capability and support for back feeding. Applications are seen in field sales and service, transportation, hospitality, parking, utility billing, safety, material management, and law enforcement. (Photos available)

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## Public Sector Parc

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Hall: , Stand

### **Implementation of configurable microcontrollers (752)**

Exhibitors from the University of Applied Sciences in Jena will be demonstrating with two examples that the implementation of soft-core processors in programmable logic devices offers many advantages. These include the integration of the processor with device and application-specific interfaces in one circuit, the implementation of signal processing and control algorithms in hardware, and the realization of complex digital information processing systems on a single chip. One of the exhibits shows an audio processor with parallel audio filter arithmetic units based on proprietary floating-point arithmetic. The second example highlights a control system. Both of the examples are apparently the result of student projects carried out in the final year at university.

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Hall: 009, Stand D04

### **Innovation lab for fresh new IT ideas (596)**

The Hasso Plattner Institutes, located in both Germany and California, are promising visitors what they call a personal innovation experience at the fair. They will be jointly running a kind of innovation school in the Future Parc in the Gallery of Hall 9. The exhibitors describe the theme as learning innovation and opening up worlds of ideas. Both fair visitors and Internet users can participate live and experience on a daily basis how fresh and new ideas for user-friendly products and services are developed. At the same time, a further aim is to eradicate the causes for frustration when dealing with and trying to master new technologies. The creative process will apparently be ongoing around the clock and around the world, by way of cooperation with the institute partners in California. In addition, every Internet user can follow the event on video as well as influence and comment on it in blogs. The innovation experts from the HPI School of Design Thinking in Potsdam and their colleagues from the Design Institute at Stanford University will be tackling the themes of the so-called Webciety, Green ICT, IT Security and data protection, e-health, e-government, and e-learning.

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## Public Sector Parc

Internet: <http://www.hpi-web.de>

Hall: 009, Stand A01

### **Intelligent and flexible filter tuning tool (489)**

TeleMobile in Poland will be explaining the advantages of the new IAFTT (Intelligent Automatic Filter Tuning Tool) for mobile telecommunication filters. Thanks to the development, producers of high-performance filters can reportedly save a significant amount of time and money as the result of its capability to automatically set adequate filter characteristics up to several times faster and more accurately than is the case manually. Such precision is apparently possible thanks to a mechanism based on novel artificial intelligence algorithms. The tool is said to make production planning related to filters and duplexers easier. As a result, processes are much more foreseeable and the need to train highly experienced filter tuners is reduced. In summary, the flexible solution is claimed to decrease filter-tuning human resources, decrease filter-tuning time, and increase tuning accuracy. (Photos available)

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Hall: 009, Stand C06

### **Lightweight two-inch printers (358)**

Woosim will be exhibiting two different two-inch printers at the fair. The Porti-S30/40 printer measures 76.6x103x34 mm and attains a maximum high speed of 80 mm/s. It features UART or TTL and Bluetooth interfaces, with IrDA 1.0 and USB as options. The silent direct thermal printer allows simple maintenance with its self-diagnostic capability. The weights of the S30 and S40 models are given as 226 and 264 grams respectively. The second exhibit, the Porti-SM40 printer, measures 80.5x113.5x46 mm and weighs 300 grams. UART or TTL and Bluetooth 2.0 interfaces are standard and the top speed is also specified as 80 mm/s. There is additional support for magnetic stripe readers and smart card readers. The graphic LCD with backlight has a resolution of 128x32 dpi. Both machines support text and graphic printing and bit-image (logo) downloads and enable easier paper loading through their clamshell design. Possible applications for both devices are listed as Mobile POS, field sales and service, transportation, hospitality, parking, utility billing, safety, and material management. (Photos available)

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## Public Sector Parc

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Hall: , Stand

### **Multi-mode currency, draft and check detector (188)**

Suzhou Nippo Industrial and Trading in China is a specialized manufacturer of currency counters, coin counters and currency authenticators for the cash-handling industry. The company reports it has developed a multi-functional currency detector that can also be used as a detector for various drafts and checks as well as security documents. According to their pre-fair press information, the exhibitors will also be showing visitors a new information display board, a new coin sorter, and a new exchange-rate display without frame. (Photos available)

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Hall: , Stand

### **Numerical simulations on massive parallel systems (382)**

Exhibitors from the Institute for Nuclear Physics at the University of Mainz will be reporting on one of the largest HPC (High-Performance Computing) cluster installations dedicated exclusively to simulations of lattice QCD (Quantum Chromo-Dynamics). The cluster operated by the institute for large-scale numerical simulations in particle and nuclear physics comprises 280 compute nodes. The peak performance of the entire system amounts to 22 TFlops, while 17 TFlops are reportedly achieved for the Linpack benchmark. The total memory of the system amounts to 2.24 TB. The efficient cooling of the installation is provided via water-cooled server racks. In addition to the monitoring tools provided by the vendor (Hewlett-Packard), the scientists have written and implemented additional monitoring software that collects information from the server racks, the cooling system, additional temperature sensors, and the compute nodes. The software is able to initiate a controlled shutdown in order to prevent the system from overheating in case of cooling failure. The information from the various monitoring tools can apparently be accessed in a simple and transparent manner via a browser interface.

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## Public Sector Parc

Hall: , Stand

### **Pocket-sized three-inch thermal line printer (360)**

The Porti-SW40/45 is a three-inch printer from Woosim that reportedly carries out very silent direct thermal line printing. The manufacturers highlight the pocket size of 107.5x88.5x45 mm and the light weight of 360 grams for true mobility as well as the high speed of 60 mm/s maximum. Connectivity is provided by UART, TTL/IrDA or Bluetooth 2.0 interfaces. The device supports both text and graphic printing and bit-image (logo) downloads. Easier paper loading is facilitated by the clamshell design and the self-diagnostics enable simple maintenance. The printer is specified as being compatible with Microsoft Windows 98, ME, XP and 2000, and the company homepage also adds Vista to the list. Applications are seen in mobile points of sale, field sales and service, transportation, hospitality, parking, utility billing, safety, and material management. (Photos available)

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Hall: , Stand

### **Remote and secure control of presentations (696)**

The Parallel Computing and VLSI (Very Large Scale Integration) Group at the distance teaching university in Hagen will be displaying a new remote control for presentations. The lightweight application is said to be fast and have long-lasting TCP connection support. According to the developers, it runs on platforms such as Linux, Windows and OSX as well as on older hardware like P-mobile. The solution is seen as ideal for video-conferences or seminars. Security features are listed as freedom from spy- and malware, the lack of a phone-home service, VPN capability, and secure communication channels. The source code is available for an additional charge. (Photos available)

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Hall: 009, Stand D06

## Public Sector Parc

### **Small, four-inch direct thermal printing device (361)**

Woosim intend to exhibit the Porti-W40 four-inch printer with a pocket size of 138x88.5x45.2 mm and weight of only 446 grams. The device reaches a high speed of maximally 50 mm/s and supports text and graphic printing as well as bit-image (logo) downloads. Easier paper loading is achieved by the clamshell design and simple maintenance is facilitated through self-diagnostic capability. The printer is reportedly compatible with Microsoft Windows 98, ME, XP and 2000. The printing itself is said to be very silent through the implementation of the direct thermal printing method. UART, TTL/IrDA or Bluetooth 2.0 interfaces provide the necessary connectivity. The manufacturers see applications in the fields of mobile POS, field sales and service, transportation, hospitality, parking, utility billing, safety, and material management. (Photos available)

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Hall: , Stand

### **Technology based on natural language processing (424)**

Fido Intelligence uses its innovative Idfine technology based on natural language processing (NLP) algorithms to enable an interaction between users and computers via websites, chats, e-mails, mobile phone messages, and other electronic media. According to the company, its technology enables the creation of software that recognizes and processes the text content. The Virtual Assistant, for instance, is described as the most common use of NLP technology and provides guidance to clients visiting a website, presents a company's offer in a user-friendly way, and acts like a consultant. The E-mail Processor is claimed to maximize the efficiency of e-mail communication by interpreting the text content of e-mails and automatically generating responses. The Mobile Processor interprets the content of and responds to Short Message Service texts and is implemented in entertainment, e-learning, especially language teaching and customer support. Finally, the E-content Analyzer is deployed to understand the content of electronic databases, including descriptive text. It can be used to protect confidential data and maintain corporate safety.

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### Telehealth / eHealth

#### **CTI client application with CRM integration (837)**

Blue's One from Telcen in Italy is a new CTI (Computer Telephony Integration) client application that integrates a desk phone with a PC in a simple manner and helps save time. It apparently works with any telephone system supporting Tapi 2.0 or later in both first-party and third-party configurations. Phone calls can reportedly be placed from any application. The solution integrates with all business and personal phonebooks and, thanks to a Software Development Kit, enables the incorporation of any CRM (Customer Relationship Management) in the software to open up contact details. In the event of an incoming call, for instance, the caller can be recognized immediately and the contact card can be opened with all the associated information. Incoming calls are recorded in a call list. Moreover, an SMS can be sent from the PC with the tool. The exhibitors point out that their Blue's One SIP softphone with video feature will soon be available. (Photos available)

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#### **Efficient call management and accounting software (836)**

According to Telcen, effective cost management can represent a competitive advantage for any company. To this end, easy-to-use and fast tools are needed that can actively control the company, give warnings in case of anomalies, and deliver ready-to-use information. With the new Blue's Enterprise Web from the Italian exhibitors, users can reportedly analyze their telephone traffic easily using real-time statistics and call monitoring or using preconfigured and ready-to-use charts and tables. The solution is explained as an accounting and reporting tool that collects the Call Detail Records (CDR) generated by a PBX (Public Branch Exchange). It also supports searching from these records and reporting on the results thanks to an advanced filtering engine. The reports can be created and scheduled in order to analyze and monitor the company, department or user telephony traffic and to produce the calls invoice. (Photos available)

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### **Media gateway for convergent communications (835)**

The new One-Stream G is billed as a simple and ready-to-use solution so that businesses can make convergent use of available communication networks and services. The media gateway connects to a PBX (Public Branch Exchange) system and is said to offer all the technology a company requires in one single device. The technology comprises GSM lines, VoIP (SIP-H323) channels, and trunk lines, whether analog lines or ISDN BRIs (Basic Rate Interfaces). The solution is claimed to cut fixed-to-mobile call costs and allow users to take advantage of VoIP lines connecting companies and of other services since it acts as a SIP proxy, server and extension. Thanks to the gateway's Mobile Extension services (Mobex), a mobile phone can be used in the same way a PBX extension is used, meaning that a call can be put on hold and transferred to a colleague. These services are available for calls received onto the mobile phone from the PBX and calls generated from the mobile phone. (Photos available)

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### **Software gateway that connects Skype to a PBX (834)**

The new Skystone VoIP-Skype software on show from Telcen in Italy is said to help make Skype a concrete tool for businesses and is specially enhanced with services for business use. The solution is a software gateway that connects Skype to a PBX (Public Branch Exchange) so that users can take full advantage of Skype services without requiring a PC, USB phones, or headsets. This serves to eliminate any uneasiness caused by using two separate telephones. As is pointed out, telephone calls can be received from clients and suppliers via Skype directly onto a fixed telephone. The application also allows video communications between enterprise video solutions from leading vendors and can communicate with Skype-standard video-enabled clients around the world. (Photos available)

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### **VoIP-GSM client for Samsung smartphones (838)**

Samsung Office Serv Unico is a new VoIP-GSM client developed by Telcen in partnership with Stone Voice for Samsung smartphones. With the solution, a single phone can be used for fixed-line or GSM network calls. The application reportedly manages all VoIP and GSM calls and, while the user is within the Wi-Fi range of a business, the phone can act as an extension of the PBX (Public Branch Exchange). As the exhibitors explain, any call made through the client is automatically routed to the PBX, thus allowing business fixed lines to be used and direct calls to be made to a colleague's extension. At the same time, a mobile phone can also be used normally for GSM calls within or outside the business and both VoIP and GSM calls can be simultaneously managed with great flexibility. (Photos available)

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### **Web-connected blood glucose monitoring (1019)**

Glucotel is headlined as the first Bluetooth-enabled, Internet-connected, blood glucose monitoring and diabetes management system. According to the developers, the meter provides measurement results from a special testing device within ten seconds and uses only 0.6 microliters of blood. The result is then transmitted to the patient's mobile phone, where it is stored and subsequently forwarded to a central online database via a mobile Internet link. By using the mobile phone software Bodytel Mobile, patients can add other details about medication, food consumption, or sports activities to their log book. As is pointed out, patients have password-protected access to their profiles, where they can review their blood glucose history as well as take advantage of online functions for account administration, access rights, or health trend evaluation. Caregivers can also gain access to the database and remotely monitor the glucose levels to identify deficiencies in the patient's self-treatment at an earlier stage. A particular merit of the system is seen in the automatic real-time alerts that are triggered if measurements fall below or rise above pre-defined thresholds. (Photos available)

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**future parc**

**Advanced text-to-speech system with natural voice (601)**

Ivona is headlined as one of the best text-to-speech (TTS) systems available. The new solution from IVO Software has reportedly received numerous awards for its accuracy at emulating a natural human voice and is said to provide a fast, reliable method of reading text from virtually any source by one of its pleasant voices. In addition, users can choose among voice speaking English, Polish, or Romanian, with further languages and voices in the pipeline. Implementations for the system are seen in business, telecommunications, the rehabilitation of the blind, education, and in the provision of an innovative tool for active people in their everyday lives. The latest text-to-speech service under the name has been launched on the Internet, where it is apparently possible to create speech recordings in seconds. This is praised by the Polish developers as a major breakthrough in the development of text-to-speech services. (Photos available)

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**Cost-efficient, multi-touch presentation system (571)**

The new Art plus Com Touchmaster with its modular table construction allows for fast assembly and disassembly as well as easy transportation in the optional flight cases, reportedly making the system ideally suited for cost-efficient trade fair and convention use. The images are projected onto a borderless table top, resulting in a crystal-clear image covering the entire surface of up to two meters in width and over a meter in depth. The system is operated via a touch-sensitive interface, reportedly directly and intuitively, without the need for a mouse, buttons or a keyboard. The solution makes use of the company's Proximatrix technology. (Photos available)

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### **Development environment for modeling knowledge nets (477)**

Onto Track is a new intelligent development environment for knowledge nets developed by scientists at the Institute for Artificial Intelligence at Ulm University. As is explained, knowledge will evolve from pure data at the time when data is put into a meaningful context. An electronically stored and machine-understandable representation is called a knowledge net (also known as ontology). Knowledge nets are the core component of semantic systems and allow new knowledge to be automatically inferred and hidden correlations to be discovered. The project being presented is an intelligent development environment for modeling knowledge nets. Using modern visualization and interaction methods, even complex and large knowledge nets can reportedly be understood easily. Concepts can be added, removed or changed at any time. The user benefits from instant visual feedback about inferences and from intelligent analysis during the development and maintenance of knowledge nets. Various standard ontology formats such as RDF and OWL are reportedly supported. Thanks to open architecture, additional functionality can easily be added for tailoring to specific requirements. (Photos available)

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### **More effective expression of search queries (476)**

Studies have apparently shown that individuals are often unable to express search queries appropriately due to their lack of knowledge about the problem itself, such as the used terms. Traditional, purely syntactical approaches cannot reasonably support users in formulating their queries. The SEM Search from Ulm University is an innovative solution for this problem that utilizes meaningful communication with the user during query creation. It follows the approach of well-known search fields, but continuously analyses the user input in order to proactively generate suggestions that regard content. In that process, it uses semantic technologies, which filter paradoxical suggestions, provide query generalizations or specializations, or recognize synonyms. The user is thus guided by content in contrast to conventional auto-completion approaches that are restricted to syntax. This apparently saves time because this sort of query completion is on a subject level rather than on keyword level. In addition, the quality of the query results is significantly increased due to the higher recall and precision of the answer set. (Photos available)

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## future parc

Internet: <http://www.uni-ulm.de>

Hall: 009, Stand C40

### **Multi-user capable proximity sensor technology (572)**

Proximatrix is a new proximity sensor technology developed by Art plus Com that allows touch-sensitive interfaces to be embedded into surfaces made of non-conducting materials like wood, plastics and ceramics in almost any size and shape, even when curved. This is achieved by installing a system with transmitter and receiver modules under the table surface. As is explained, a custom controller supplies 400 readings per square meter around 20 times a second via USB or Ethernet. These readings are evaluated by special driver software and then transmitted to the software. The solution is the second generation of a multi-user capable proximity sensor technology for large surfaces. The first generation has reportedly been employed since 2004 in a great number of applications for clients in industry, culture and research. Applications of varying degrees of complexity can be implemented with the company's Y60 3D-multimedia application framework or with the widely available Adobe Flash program in either Windows or Linux environments. (Photos available)

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### **Research projects on civil protection (501)**

The research group computer applications and integration in design and planning (CIK) at Paderborn University develops innovative applications in security and industry. The competence in processes and methods in the field of mechanical engineering combined with information technology is said to form the basis for solutions and systems in high quality standards. At the fair, the scientists will be presenting their current research projects on civil protection. In cooperation with fire brigades, rescue services, the federal agency for technical relief and many research and development partners, research projects are carried out in various topics. These are listed as mission and resource management for disaster situations, fire prevention and fire averting, situation investigation and danger recognition with unmanned aerial vehicles, satellite-based information provision and security services, organization-spanned danger averting for subways, and international wild fire-fighting. Visitors will be told about the objectives, motivation and results of the projects. (Photos available)

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### **Semantic technology for intelligent Internet news (478)**

The News Browser is described as a semantic news portal. As the exhibitors from Ulm University explain, the Internet has made late-breaking as well as archived news articles globally accessible via news portals without providing any added value with respect to search quality or efficiency. The new portal reportedly adds meaning to articles and links them with subjects, companies, or persons. Innovative interaction and navigation principles exploit that knowledge with the help of semantic technology in order to enable effective access to news content. The News Annotator is an editor tool for the semi-automatic enrichment of articles with context information using methods from computer linguistics such as named entity recognition. The end-user interface News Browser utilizes this context information for thematic search and navigation purposes. The interface allows articles to be filtered with respect to subjects such as the financial crisis, stock exchange or presidential election and will present associated persons and organizations graphically. Cross-references to related subjects enable secondary or follow-up articles to be selected easily. The application spectrum ranges from general late-breaking news to subject-specific collections of documents, pictures, or videos. The components are said to be scalable, ready for the web, and combinable with existing CMS frameworks. (Photos available)

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### **Visualizing and analyzing complex information (475)**

As the exhibitors from the Institute for Artificial Intelligence at Ulm University point out, the more complex information becomes, the more difficult it is to be understood. Their new exploration and visualization system Viscover displays significant correlations within knowledge nets in a clear and concise manner using modern visualization and analysis techniques. In combination with semantic technologies, it visualizes hidden information dependencies and automatically groups data by its meaning. According to the scientists, even long chains of correlations and causalities can be easily tracked. Using semantic filters, information can be refined from the perspective of its content. The internationally honored components are scalable, ready to be used in web environments, and can be integrated in existing applications. Thanks to various adaptors, the system can apparently handle data from different sources. (Photos available)

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### **3D multimedia application platform (668)**

The new Y60 is billed as a powerful, highly flexible platform for the development of multimedia applications. With the platform, it is said to be possible to design interactive 2D and 3D software applications quickly and cost-efficiently. Uses range from high-quality company and product presentations to audiovisual simulations and computer and video games. Art+Com point out that they have open-sourced this core technology. The Open GL-based platform serves as the basis for most of the company's projects and installations. Written in C++, it reportedly offers architecture very similar to that of web browsers, supporting XML-Dom and Java-Script and allowing for integrated high-end 2D and 3D rendering in real time on Windows, Linux, and Mac OS X. Among the portfolio of 50 projects developed with the solution, the developers point to the Product Information Center in the BMW Welt, the visualization tool ArtecCore for anthropological research), and the interactive simulation of a historic sailing ship cruise for the German Technology Museum in Berlin. Apart from the General Public License (GPL), other licensing models for proprietary use are apparently available upon request. (Photos available)

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# CeBIT Security World

## CeBIT Security World

### **All-in-one security package for mobile devices (956)**

Steganos will be highlighting their Privacy Suite Mobile 6, a new, all-in-one security package for smartphones and PDAs based on the Windows Mobile 6 Classic and Professional Editions. The company reports that it will be presenting its products in an eye-catching and unusual booth in the form of a safe, which is intended to remind all visitors of the importance of data protection. The application on show includes a mobile safe to protect sensitive and personal data including e-mails, contacts and calendar entries, a built-in Crypt-and-Go functionality that encrypts photos and documents, for instance, and a mobile shredder that permanently removes old and deleted data. In addition, a mobile password manager reportedly creates highly secure passwords and the accompanying Pic-Pass apparently enables users to create complex yet memorable passwords through a series of images. A special Bluetooth Phone-Lock is said to effectively secure the smartphone and protect it from all unauthorized users. (Photos available)

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### **Anti-virus, security software with constant updates (521)**

Virus Security Zero is claimed to be the first total security software to introduce the No Annual Renewal Fees policy. As the Japanese developers from Sourcenext proudly declare, it has continued to increase its share in the security software market since its release in July 2006, and for two consecutive years in 2007 and 2008 it was number one in terms of unit sales in all domestic (Japanese) PC software according to GfK Japan surveys carried out among major electronics retailers. At the moment, the solution has a total of 5.6 million users and, just recently, a new USB memory version of the software has been introduced into the line up. Seen as an ideal choice of software for netbooks, which do not have CD drives by default, the new USB memory version of the software has reportedly been well accepted by the market. (Photos available)

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## **Appliance enables global PKI interconnection (801)**

The Secardeo Cert-Box is a new PKI (Public Key Infrastructure) appliance that reportedly enables worldwide access to different PKI certificates. As the manufacturers add, it also makes internal certificates publicly accessible and S/Mime- or PGP-encrypted e-mails can be sent out to any external recipient with standard applications like MS Outlook. The device detects the responsible PKI repository on the Internet and delivers the located certificate back to the client application. Major global repositories are already preconfigured. The publicly accessible solution also enables encryption to internal recipients through any external partners. It accepts LDAP (Lightweight Directory Access Protocol) requests from the Internet, verifies them, and sends the locally stored certificate to the external partner. Attacks are said to be detected and blocked with secure, patented mechanisms and sensible data is crypto-graphically secured.

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## **Automated business-class migration software (529)**

Laplink plan to present their business-class migration software to fair visitors. PC Mover Enterprise reportedly saves organization time, money and trouble by making it fast and easy to transfer files, settings and programs from an old to a new PC. The solution is built upon what is claimed to be the best-selling PC Mover migration engine and offers IT organizations the ability to pre-set migration parameters to fully automate the PC replacement process. The application is apparently widely used by government agencies, universities, software and hardware resellers, IT professionals, small businesses, and several Fortune 500 companies.

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### **Back-office integration for license management (618)**

Wibu-Systems will be recommending their automatic creation, delivery and management of licenses with the Code Meter License Central system. As is pointed out, any protection of software accepted by both customers and employees of the software vendor has to meet certain security and usability requirements. The Code Meter solution incorporates the new back-office system Code Meter License Central. This standardized ticket system allows the efficient integration of the software protection technology in sales, production and support processes. With immediate effect, the vendor is then able to automatically create, manage, and deliver the required licenses to customers. The underlying system database is said to be easy to integrate into existing Enterprise Resource Planning systems, such as SAP, or into online shops. (Photos available)

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Hall: , Stand

### **CCID-compliant NFC card reader (641)**

The ACR 122 is headlined as the world's first NFC (Near-Field Communication) card reader compliant to the CCID standard. It has been developed on the basis of 13.56 MHz contactless (RFID) technology and reportedly meets the ISO/IEC 18092 standard, supporting not only Mifare, ISO 14443 A and B cards, but also NFC and Felica tags. As the exhibitors describe it, the reader is a USB plug-and-play device with PC/SC and CCID compliance. It is seen as ideal for both personal identity verification and online micro-payment transactions. Typical applications of the device are said to be access control, network authentication, mobile payment, and mass transit. By making use of up to 424 Kbps for NFC Tag access and the full USB speed of up to 12 Mbps, it is apparently able to operate faster and more efficiently. A Software Development Kit is available to provide sample codes written in different programming languages, such as in Visual Basic 6 or Visual C++ 6. Tools and utilities are also included that enable the user to perform various reader and card-related operations. (Photos available)

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Hall: 011, Stand A13

## CeBIT Security World

### **Compact, full-page passport scanner and verifier (613)**

Desko will be unveiling a new passport scanner and verifier that is said to be fast, reliable, easy-to-use, and the smallest device available. According to the German exhibitors, passports, visa and any form of national ID card can be read by their FP 500. With its innovative technology and small design, the device is billed as the perfect tool for all security and travel services today and in the future. According to the homepage, the reader scans for OCR data and gathers biometric data via an integrated RFID module. It is apparently also capable of verifying OCR data from national ID cards without an integrated RFID chip. The manufacturers point up the very good performance and its ease of use, which makes the appliance ideal for manual and self-service passport reading. (Photos available)

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Hall: , Stand

### **Compact solution for document reading and verifying (830)**

The new PRMc series to be presented by Adaptive Recognition Hungary represents a compact-sized, all-in-one solution for modern document reading and verifying needs. As the developers maintain, it offers convenient, one-step reading of e-passports and e-ID cards as well as traditional travel documents. As an option, the readers can be delivered with an additional image sensor providing images with a native resolution of 700 ppi and focused on the face photo part on ICAO-standard passports. As is pointed out, based on recent reports from forgery detection authorities, the most frequent counterfeit method is the printed photo manipulation. To effectively authenticate passports against photo substitution or alteration, document inspectors apparently require high-resolution images. Although the passport readers provide the possibility of enhanced document verification via such high-resolution images, they are said to remain user-friendly, general-purpose e-passport and traditional document scanners as well. (Photos available)

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Hall: , Stand

### **Company alliance enhances data protection (451)**

Atlas Products International reports it has enhanced its portfolio of secure data products by initiating a new alliance with Nu-Bridges, the leading US-based data protection business. As is explained, the latter's integrated encryption, key management and logging solutions protect sensitive data at rest in database fields, files and applications. For customers using the Secure Data Exchange (SDX) from the exhibitors, the combination of the two companies is said to provide complete assurance that sensitive, commercially important, confidential, business-critical information is totally protected, both at rest and in transit. Under the terms of the alliance, the exhibitors are marketing the at-rest solutions developed by their partner to both existing and potential customers. Nu-Bridges Protect, for instance, is an advanced encryption and key management software solution. It is described as ideal for businesses that want to comply with the Payment Card Industry Data Security Standard (PCI DSS) mandate and protect sensitive customer and employee personally identifiable information (PII) from theft or accidental loss while at rest in databases, applications and files.

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Hall: 011, Stand A64

### **Complete data delivery and file transfer system (450)**

Secure Data Exchange (SDX) from Atlas is billed as a totally secure system to send and receive documents or data files over the Internet. The new solution apparently builds upon the success of the company's Business Data Exchange (BDX), reportedly the UK's fastest-growing network for the fast, secure, reliable and low-cost transfer of sensitive, business-critical data. The system has been designed for banking, financial services, government, military, health, legal and associated services for whom total security is fundamental to their reputation and commercial success. As is explained, it uses Internet connectivity to provide an easy-to-use, instant solution for the secure and reliable movement of data without delay or corruption and with absolute certainty of delivery. According to the developers, it can handle any type and size of data, including designs, specifications, video, music, Jpegs, PDFs, legal documents, EDI, XML, and any other file content. It offers total visibility and traceability and can provide proactive, automatic notification of every stage of each transmission.

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## CeBIT Security World

Hall: 011, Stand A64

### **Complete recovery of all kinds of passwords (513)**

Elcom will be presenting their new Soft Password Recovery Bundle, which allows corporate and government customers to unprotect disks and systems and decrypt files and documents protected with popular applications. These password recovery tools are claimed to be the fastest on the market, the easiest to use, and the least expensive. The company points out that it is a Microsoft Gold Certified Partner and an Intel Software Partner and that the solution has Nvidia Developer Support Broad compatibility. Document and system passwords are recovered to various file formats. A further benefit is seen in the GPU acceleration, whereby patent-pending technology reportedly reduces password recovery time by a factor of 50. The linear scalability allows the use of a number of multi-core and multi-processor workstations connected over a LAN or the Internet with a linear increase of recovery speed. The company also highlights the minimum bandwidth utilization and zero scalability overheads, the flexible queue control and easy job management, and the remote management of password recovery workstations. (Photos available)

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Hall: 011, Stand C52

### **Complete remote access and control software (530)**

The new Laplink Everywhere software is billed as the first product to provide one-click remote access to files, e-mail, programs or contacts anytime and anywhere. The solution gives users three options for one-click access to their remote PC. They can use the toolbar, the LL2go.com web portal, or any web-enabled mobile device. Secure remote access is reportedly provided to applications, databases, files and e-mail from any web-enabled device. The rich features listed by the developers include a remote desktop, a remote desktop search capability, and even transmission from a smartphone.

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Internet: <http://www.laplink.com>  
Hall: , Stand

## **Complete security package for private data (955)**

The specialists for privacy software at Steganos will be demonstrating the new enhanced version of their popular Privacy Suite 11 consumer solution, which also includes the Safe 11 application. The software reportedly comes with a complete new interface and allows users to create unlimited virtual safes to protect their data, as well as portable safes on mobile devices such as I-Pods and USB sticks. These can also be used as a safe key to open safes on laptops and PCs. Besides creating such safes, the mailbox encryption reportedly protects Outlook, Outlook Express and Windows Mail, and a so-called steganography feature hides sensitive data in images or music. A password manager, an encrypted list of favorites, a new digital shredder and an Internet trace destructor round off the comprehensive protection offered by the suite. (Photos available)

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Hall: 011, Stand B31

## **Comprehensive wireless interception system (381)**

Decision Computer Group will be launching their new Wireless-Detective Extreme System (WDXS), which incorporates a Wireless-Detective Central Management (WDCM) system and one to two Wireless-Detective Standard System (WDSS) units. The design aims to utilize more than one WD system to capture wireless traffic within the coverage distance of Wi-Fi networks. With a group of WD systems performing the simultaneous data capturing, data reconstruction can apparently be improved. As is explained, the WDCM system manages a group of Wireless-Detective systems, whereby the administrator is able to set up the capturing configurations on all WD systems. It re-assembles all the packets captured and decodes and reconstructs the raw data back to its original content format. Supported Internet protocols include e-mail formats, Webmail, IM and chat applications, FTP, P2P Log, Telnet, and HTTP. The solution has been specially designed for police, military and intelligence agencies, criminal investigation departments, forensics investigation, national security and counter-terrorism to track down high-tech criminals who have made use of Wi-Fi as source of communication and information. (Graphics available)

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## CeBIT Security World

Hall: 011, Stand C52

### **Document readers for security, hotel and retail use (831)**

Adaptive Recognition Hungary will be explaining the security advantages of their new PRMc series of devices for document reading and verification. The compact, all-in-one solution has been optimized for use in both complex security systems like border police applications and small environments like hotel check-in desks or retail shops. It reportedly offers convenient, one-step reading not only of e-passports and e-ID cards but also traditional travel documents. The readers provide extra-high-color fidelity images, which is claimed to be unique on the market. A special image capturing algorithm developed by the company is said to guarantee the professional (printing house quality) color fidelity. As the exhibitors explain, the high-quality images not only mean nice pictures, but primarily serve the purpose of more effective automatic document verification. Since security patterns must have real colors to achieve the best accuracy, the high-fidelity images effectively support the Automatic Document Authentication Module (ADAM) developed by the company. (Photos available)

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Hall: , Stand

### **Dutch partners in Internet Trust (568)**

According to Diginotar, its choice of Internet Trust as a core activity means integrating its services with the processes and applications of clients. The company says it uses the skills and services of trusted external suppliers to this end. Internet and communication technology consultants, network architects and software suppliers are seen as the links between the computer environment and user activities and the secured processes. As the company puts it, this involves a cross-fertilization in which it takes up the coordinating role to guarantee established security norms. The exhibitors maintain that their network is growing and their products and services are spreading worldwide.

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Hall: 011, Stand C45

### **Economical biometric passport readers (614)**

The new Desko biometric passport readers BMOS 5200e and MPR 7300e are said to be modern and economical devices able to read magnetic cards and documents, optical documents such as passports, and biometric-based e-passports. Now reportedly combined in a single device, both systems provide support for passport, credit card, magnetic ATB (Automatic Ticket and Boarding pass), barcode and now e-passport reading. According to the exhibitors, the applications are various and include air travel passenger services, immigration control and general security. (Photos available)

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Hall: , Stand

### **E-mail protection for Clear Swift Mimesweeper (498)**

Dr. Web for Mimesweeper is billed as a new efficient tool for giving anti-virus and anti-spam protection to e-mail traffic passing through Clear Swift Mimesweeper. The product is installed on a computer running the program and works as a filtering scenario of the first type. It checks all messages received by the content filter and reportedly detects viruses, dialers, spyware, riskware, adware, hack tools, spam, phishing, pharming, scamming and bounce messages. The configuration tools of the solution, the scenario creation wizard, allow the automatic creation of best-fit check-scenarios (type 1 in the Clear Swift classification). Depending on the settings of the scenario report, checks and actions can be added to the header or to the body of a disarmed message. Clean messages are directed to a recipient unchanged. Messages that cannot be disarmed by the plug-in are marked as infected and become quarantined. The product supports data execution prevention that allows running additional checks of RAM and preventing the execution of malicious codes. (Photos available)

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Hall: 011, Stand C15

## CeBIT Security World

### **End-point security management for mobile computing (794)**

Center Tools will be introducing their new Drive-Lock Control Center at the fair, which is destined to replace the current security reporting center as the central point for day-to-day administration of the company's security solution for mobile computing. As the German developers report, it extends the current flexible reporting and analysis capabilities and adds new system monitoring functionality, as well as integrating powerful tools for statistical and forensic analysis. Using the control center, administrators can reportedly do their jobs more efficiently and easily detect and respond to security incidents.

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Hall: , Stand

### **Flexible protection for embedded software (616)**

Wibu-Systems point out that industrial control systems and machines run with embedded software. Studies from the VDMA (German Machinery and Plant Manufacturing Association) are said to report losses amounting to billions due to product piracy. However, it is apparently the case that there is no standardized protection strategy in the embedded field. The exhibitors, as a partner of the Pro-Protect research project, develop protection strategies for affected companies working with various kinds of embedded software. Solutions for embedded systems with Vx-Works or programmable logical controllers such as Siemens S7, Rockwell or Codesys are being developed. The company's Code Meter system already provides solutions for secure and flexible protection of such software for Windows XP Embedded, Windows CE 5.0 and 6.0 with x86 and ARM processors, and for real-time Linux operating systems. At the same time, the solution allows companies to protect sensitive production data in PDF format. (Photos available)

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Hall: , Stand

## CeBIT Security World

### **Full-featured disk-burning software (523)**

Having been reportedly tested on over 1,100 different drives, the B's Recorder series from Sourcenext is billed as well-trusted and highly acclaimed burning software that supports CDs, DVDs and other next-generation media such as Blu-ray disks. The series was apparently introduced onto the Japanese market in 1994, since when it has become firmly established in the top league of burning products thanks to its useful features. Recently, a new USB memory version of the software has been introduced into the line-up. This version is seen as the ideal solution for netbooks, which do not have CD drives by default, and has apparently been well accepted by the market. (Photos available)

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Hall: 011, Stand A25

### **Functional yet affordable PDF creation software (522)**

According to Sourcenext in Japan, whereas many of the PDF software offers on the market are still too expensive for many people, the company has introduced a highly functional yet affordable PDF software application that is claimed to be the top-seller on the PDF software market. Recently, a new USB memory version of the Ikinari PDF software series has been introduced into the line-up. This is seen as an ideal solution for netbooks, which do not have CD drives by default. The USB memory version has reportedly been well accepted by the market and has further increased sales. (Photos available)

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Hall: 011, Stand A25

## CeBIT Security World

### **Fusing the worlds of paper and e-commerce (452)**

According to the exhibitors, their new Atlas Fusion means that an Internet connection is all that is needed to maximize the significant business benefits of electronic trading. Whether one is a buyer or a supplier, the application provides a view of any document a company handles, be it on paper or electronic in origin, that is available from anywhere in the world using any Internet browser. Aimed at organizations that want to improve efficiency with electronic trading, yet still send or receive paper documents, the solution is seen as the ideal tool to allow outbound documents to be hundred-percent electronic, thereby slashing the costs of handling the daily inbound paper avalanche. With its functionality, it reportedly enables users to build the optimum system for their own trading requirements and enables integration to back office accounts or ERP systems as well as working seamlessly with existing EDI systems. Combination is also possible with the company's Scanning and OCR (Optical Character Recognition) system, which has the ability to convert the contents of arch files, filing cabinets and archived paper trails into electronic formats.

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### **High-resolution camera for concealed installations (725)**

Mobotix has announced the market launch of its revised M12-Devkit with Mx-Link extension for greater flexibility. The extension reportedly makes it possible to position any image sensor one meter away from the main board. As the exhibitors report, robust sensor aluminum housings with mounting bores for easy assembly are available from the factory along with the open sensor modules. The extension module can be used where required in place of the standard 30 cm ribbon cable, which is apparently still available, and thus more than triples the distance between the camera and sensor boards. The solution is seen as ideal for ATMs (automated teller machines) and for the concealed surveillance of cashier zones, hotel reception areas, and bank counters. The new kit is said to give customers a flexible, modular system that can be tailored to their individual needs.

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### **ID card with a reading range of five meters (925)**

Plasticard-ZFT claims to have developed the first HF/UHF ID card with a range up to five meters without batteries. As is pointed out, the identification of cars and people is an important security and convenience feature for companies and authorities when allowing access to their premises. Up until now, such systems have apparently been inconvenient or complex. The new hybrid ID card on show reportedly combines long-range distance identification with security functions. According to the German exhibitors, U-Code and Mifare chips operate inside a fully ISO-conform ID card. The card is absolutely printable and can be personalized. In addition, a three-system card with an additional LF chip, such as Hitag1, will also be presented at the fair. As the company explains, modern production technology, which realizes two antennas on one medium, now allows a hybrid ID card with moderate costs for the first time so that every user can profit from the advantages of long-distance ranges in future. Already in 2009, the exhibit will be available with Legic, Desfire and other UHF chips. The function of these cards will be demonstrated with a long-distance scanner by Deister. (Photos available)

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Hall: , Stand

### **Innovative technology for vehicle identification (828)**

The latest Carmen engine on show from Adaptive Recognition Hungary is apparently able to read vehicle plates from most countries of the world. In addition to its capability of reading Latin characters, the ANPR (Automatic Number Plate Recognition) engine can reportedly read Arabic, Chinese and Cyrillic. The software is said to execute continuous license plate reading even at vehicle speeds of up to 250 km/h. The company claims to be working with around 2,000 system integration clients across the globe and operating many thousands of ANPR systems on all continents. Applications of the innovative technology for vehicle identification are seen in traffic surveillance, toll collection, parking management, access control, traffic management, and other projects where accuracy, speed and automation are essential objectives. The core technology has been specially designed to be easily integrated into complex applications. The ANPR and LPR (License Plate Recognition) functionality is offered in the form of an SDK (Software Development Kit) for system developers and integrators. (Photos available)

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## CeBIT Security World

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Hall: , Stand

### **Integrated e-mail security for companies (446)**

Expurgate 3.0 is the name of a newly developed integrated e-mail security solution from Eleven, a German specialist in e-mail security. With the reported ability to check more than a thousand e-mails per second, the application is billed as the most powerful e-mail security solution available for companies of all sizes. It is claimed to safeguard business-related e-mail communication around the clock, identify spam and other malware with a recognition rate of over 99 percent, and produce no false positives for individual e-mails. At less than 0.00001 percent, the false positive rate is said to be the lowest of any anti-spam solution on the market. The solution incorporates complete virus protection including virus outbreak detection and the Ensurance e-mail firewall to make sure that business e-mail communication is safeguarded even in periods of peak demand. The new version can be used in the form of a Managed Service or as a software solution.

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Hall: , Stand

### **Military keyboard for use in extreme conditions (810)**

The KCR-103BP-612 is a new military keyboard from Devlin Electronics in England designed to survive the most extreme of conditions. It is claimed to remain highly reliable even when faced with influences like water ingest, ballistic shock and sub-zero temperatures, or when exposed to nuclear, chemical and biological (NBC) environments. The keyboard features a rugged aluminum case with a compact rubber-mat typing surface that includes an integrated pointing device. The keys have a positive tactile feel and are designed for easy use even when wearing Mop 4 gear. The device is fully sealed to prevent ingest of liquid, dust, and sand. It reportedly features reliability of up to 20 million keystrokes. The manufacturers also highlight the backlit legends with eight levels of illumination, thus making the keyboard easy to use even in low light conditions. (Photos available)

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Hall: 011, Stand A64

### **Mobile PKI software for mobile phones (531)**

The exhibitors point out that the mobile phone has become a device for many different purposes in the modern world and not only for calling. After all, users can take pictures, browse the Internet or receive e-mails with their devices. The company asks whether they can also use their mobile phone to authenticate themselves and sign electronic documents. The Mobile PKI (Public Key Infrastructure) solution from Diginotar is said to support strong authentication and legally binding, qualified electronic signatures. The mobile phone is equipped with a special SIM card that contains the user's electronic identity. With this identity, they can sign documents, access websites, or confirm transactions. No hardware or software installation is required since the solution works via the infrastructure of the telecom operator. The exhibitors sum up their development as secure, easy to use, and based on international standards.

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### **Next-generation firewall enhances policy control (968)**

According to the exhibitors from Indevis, the next-generation firewalls produced by their partners at Palo Alto Networks enables more effective risk management on enterprise networks. The new family of devices apparently achieves this by employing business-relevant elements such as applications, users, and content as the basis for policy control. The company states that it addresses key shortcomings that plague traditional firewalls based on Stateful Inspection, namely a reliance on only ports and protocols to identify the applications and the assumption that an IP address equates to a users identity. As is explained, three unique identification technologies are now implemented to accurately identify the application and to map the application to the user identity while inspecting the traffic for content policy violations. With a rich networking foundation and a familiar policy management editor, these latest firewalls can reportedly be deployed either to complement or to replace an existing firewall implementation. (Photos available)

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Hall: 011, Stand A50

### **OCR data entry solution for supplier invoices (453)**

Atlas Scanning and OCR (Optical Character Recognition) is a new solution that reportedly provides a quick and easy data entry system for supplier invoices. With just a few hours of training, operators using a quality scanner are said to be able to enter up to 60 invoices a minute into the back office software. From a mere handful to up to tens of thousands of documents daily, the system is completely scaleable and can grow with a company's needs. Available as a stand-alone product, or integrated within the Atlas Fusion, the system is claimed to have the ability to convert whole rooms full of arch files, filing cabinets and archived paper trails into electronic format, reducing up to 320,000 pages of A4 onto a single DVD.

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### **Online identity verification of customers (619)**

Wibu-Systems offer an authentication solution for software as a service with their Code Meter Identity. As is explained, users can buy software in a classic way or use the software offered by a service provider, such as with the rental model Software as a Service (SaaS). To provide software via SaaS, the provider requires a secure and simple authentication of his customers. The solution on show is said to be ideal since authentication is easily and securely available via the USB hardware Cm-Stick and tells the provider that the user is indeed allowed to apply the software and access data. The online identity verification software is used in the browser after what is described as a one-off and easy installation. At the same time, it satisfies user demands in that the user is able to protect his local data and ensure only personal access to his sensible information. (Photos available)

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Hall: , Stand

## CeBIT Security World

### **Optimized digital camera for vehicle recognition (829)**

Adaptive Recognition Hungary has announced the new FXCamd 102 digital camera, which is claimed to provide very good image quality optimized for ANPR (Automatic Number Plate Recognition) purposes. The high resolution enables a wide area to be covered and allows recognition at a higher level of accuracy. The camera is equipped with a built-in infrared illuminator unit to provide optimal image quality in various operating environments both night and day. The varifocal lenses with a motorized zoom and iris enable easy distance settings. The distance between the processing unit and the camera is said to be almost unlimited. Moreover, a built-in digital signal processor (DSP) unit speeds up the image processing and offers higher image quality. According to the company, the development focus was not just on the hardware improvements, but also on the intelligent adaptive software technology to achieve higher ANPR accuracy. For instance, the device is said to offer special sunlight reflection correction technology to maintain the good image quality under extreme lightning conditions. (Photos available)

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Hall: , Stand

### **Plug-in USB SIM card reader with flash (643)**

More than just a SIM card reader, the ACR 100 SIM Flash also boasts a built-in 1 GB flash memory. It is considered ideal for GSM solutions such as GSM management software, Voice-over-IP applications, electronic payment systems, e-commerce, home banking, transportation, and computer or network access. The device is described as a full-speed USB plug-in card reader. It reportedly supports ISO 7816 Class A, B and C cards, all microprocessor cards with T=0 and T=1 protocols, and GSM cards conforming to Spec 11.11. In addition, the product also serves as a mass storage device. It is bus-powered and various options for partitioning the flash drive are also available. The smart card reader component can be either compliant with USB CCID (Chip/Smart Card Interface Devices) or HID (Human Interface Devices), which is said to reduce driver installation issues. (Photos available)

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Hall: 011, Stand A13

## CeBIT Security World

### **Professional video software for up to 16 cameras (723)**

Mobotix, a manufacturer of digital, high-resolution and network-based video surveillance solutions, will be highlighting its new Mx-Easy video software, which reportedly manages up to sixteen cameras from the network connection right up to the graphical configuration of the recording types and times. As the German-based company reports, the first version 1.0 is now available free for downloading. With many new functions and an improved user interface, the new version 2.0 of the professional video software Mx-CC will be presented at the fair and can also be downloaded free from the homepage.

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### **Protection and licensing for .Net applications (615)**

As the exhibitors from Wibu-Systems point out, the vendors of .Net products require especially strong software protection. Otherwise, they virtually deliver the software, including the complete source code, to potential hackers. The new encryption tool Ax-Protector for .Net is said to protect .Net applications in a secure and flexible manner. With immediate effect, the new version provides an individual definition of encrypted classes via black listing. This allows a continued integration of non-encrypted and high-performance third-party libraries while still protecting inside knowledge. As an alternative to the program, vendors can also build the protection into their source code. The lean Code Meter API is called Wupi for .Net and reportedly embraces a number of powerful functions from which the vendor can choose as he would from a construction kit. This is said to enable the top-secure integration of Code Meter into all .Net programming languages. (Photos available)

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## CeBIT Security World

### **Secure e-health smartcard terminal (639)**

The EH880 is a secure smartcard terminal dedicated to global e-health projects. The sophisticated device is said to perform secure mutual authentication, display detailed card information, and facilitate transactions through private and public network infrastructures. The device includes a dual smartcard interface, USB and RS-232 connectivity, integrated TCP/IP networking support, and multiple SAM slots. Further features include a contactless reader module, a high-resolution black-and-white graphical LCD, a durable 20-button keypad, multiple bi-colored status LEDs, an audio speaker, and an onboard clock. Thanks to the support for Secure PIN Entry (SPE), every pin code is entered securely on the built-in pin pad and therefore never exposed to vulnerable PCs or workstation. The terminal can also host additional features such as Wi-Fi access and biometric fingerprint sensor capability, which should allow the device to operate in both current and future e-health systems. (Photos available)

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### **Secure GSM cell phone with AES 256-bit encryption (674)**

The new Compumatica GSM is billed as a secure solution for encrypting dedicated conversations and SMS content. In conjunction with the company's Compuwall solution, e-mail can also be encrypted. The device is said to look and feel like a normal GSM cell phone. It reportedly provides advanced anti-eavesdropping capabilities to produce and receive encrypted, secure GSM calls that satisfy the requirements of the government and military domains. Encrypted mobile communications over all GSM networks are reportedly attained through the CSD Version 110 or Version 32 channel, which is also known as the data/FAX channel. The AES 256-bit algorithm is deployed and there is two-way numeric identification to ascertain the absence of any man-in-the-middle connections. The manufacturers also highlight the possibility of inserting proprietary S-boxes for use with the encrypted cell phones. Users can apparently communicate in clear mode with users of non-crypto telephones. Unauthorized SIM change notification is integrated in case of loss or theft. Further merits include the Remote Key management System (KMS) to manage the crypto keys. Outsource management is offered by the company's secure networks.

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Hall: , Stand

### **Secured portable hard disk drive enclosure (534)**

Digisafe Disk Crypt Mobile DCM 300 is an external portable hard disk drive enclosure with hardware encryption and smart card-based two-factor authentication. It has a smart card reader and an integrated numeric keypad for entering the pin of the smart card that holds the encryption key. As is explained, this means that the pin of the smart card and the encryption key never leaves the unit during the authentication process, making it immune to any USB sniffing, key-loggers or cold-boot attacks. With support for both USB and Firewire interfaces, the user simply connects the interface cable to the PC, inserts a smart card and enters a PIN on the device keypad to access the hard drive. Encryption of data is conducted on-the-fly, requires no software installation and operates independently of the existing operating system. A smart card management system (SMS) is also available to support enterprise deployment and allows firms to define and back up encryption keys. The use of the solution reportedly helps enterprises comply with regulations such as such as HIPAA, GLB Act, Sarbanes-Oxley Act, EU Data Protection Directive, FSMA, and Japan's Personal Information Protection Act. (Photos available)

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### **Security solution for mobile phones (547)**

Secusmart points out that many confidential conversations and important decisions are made on-the-move nowadays and that the mobile phone is rapidly replacing the conventional landline telephone network as the communication method of choice. On the other hand, many conversations are held between mobile phones and the landline telephone network. At the same time, however, eavesdropping is apparently becoming easier logistically and technically, and the necessary equipment to tap into calls is becoming less expensive. For these reasons, end-to-end encryption and user authentication in communications is becoming increasingly important to guarantee privacy and security. The company's Secusmart solution is said to be a response to these circumstances and reportedly combines trusted hardware encryption and certificate-based authentication with ease-of-use and crystal-clear voice quality. (Free for release after 2nd march 2009, 12 am)

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### **Smartcard reader with dual-interface applications (642)**

The ACR 128 Dual Boost is a dual-interface smartcard reader reportedly compliant to the ISO 7816 Part 1-3 Class A and B standards for the contact smartcard and to ISO 14443 Part 1-4 Type A and B standards for the contactless card. By combining both technologies, the device is seen as ideally appropriate for situations favoring dual-interface applications. For example, it can be used to settle online payments with contact prepaid cards and to read the balance of contactless membership cards. In addition, the device can be embedded in machines and systems such as vending machines and automatic fare collection systems. The reader is reportedly PC/SC-compliant and CCID-compliant. It apparently makes use of high-speed communication for PICCs (proximity or contactless cards) with a maximum speed of 848 Kbps. In addition, there is said to be intelligent support for hybrid cards and combination cards. Since different applications require different functionalities, there is also a built-in SAM card slot for added security. (Photos available)

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### **Solution transfers data from one PC to another (525)**

Hikkoshi Omakase Pack 2 Gold is software that allows users to transfer data from one PC to another. With the solution, transferring an old PC environment to a new PC is claimed to be as simple as connecting two PCs with a LAN cable and choosing which data to carry over. A LAN cable is also included in package. Recently, a new USB memory version of the software has been introduced into the line-up, which is seen as an ideal solution for netbooks, which do not have CD drives by default. This version has apparently been well accepted by the market. (Photos available)

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### **Solution with holistic approach to risk management (845)**

RM (Risk Management) Studio from Stiki in Iceland is software designed for companies, institutions and government bodies who want to ensure security in the processing of information. The ISO/IEC 27002 information security standard is reportedly built into the software. According to its developers, the solution requires minimal implementation and has been developed according to international quality standards. Moreover, the software development is said to comply with Microsoft Solution Framework procedures and to have been certified by the British Standards Institution in accordance with ISO 9001 and ISO/IEC 27001. As is explained, the development helps set out the future vision of the company or organization and assists in recording policy-making in the field of information security and risk management. Specifically, it helps identify information assets, guides through their evaluation, supplies a predefined list of asset categories and threats, and suggests possible threats to selected assets. In addition, it also offers various reports, speeds up the risk assessment process, facilitates the certification process, and makes risk assessment manageable.

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### **Standardized licensing solution with dongle (617)**

Wibu-Systems in Germany will be explaining the advantages of their standardized licensing solution with dongle and activation with Code Meter and Code Meter Act. The idea is said to provide greater flexibility for software vendors in that a standardized licensing solution protects the software. Optionally, the user obtains a dongle, such as a Code Meter Stick, or the license is bound to a defined PC with activation by Code Meter Act. Both solutions run platform-independent with Windows, Linux and Mac operating systems for both single users and networks. The software vendor is thus able to map any license model and make use of the appropriate solution depending on the product, the customer target group, or the country. The hardware is claimed to deliver top security. As is claimed, the activation solution, as a software-based answer, is especially suitable for the low-price sector with its games and learning software or for large-sized companies. Mixed use and license borrowing from a network are also feasible. (Photos available)

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Hall: , Stand

### **System tools with easily managed network control (394)**

O&O Enterprise Management will be showcasing three of their system tools. The Console 2 software provides network control for easy management of the company's products across a network. As a result, various products from the German developers can be centrally managed from one location across an entire network. The platform enables jobs to be carried out on both single computers and computer groups and facilitates the automatic remote installation of agents. All events are protocolled in detailed reports and saved in the database, so users can be kept informed at all times of the success of jobs. The Defrag 11 solution from the exhibitors has apparently been given new network functionality. In combination with the above platform, the new version can be managed across a network from one central location. According to the homepage, it packs file fragments back together quickly and securely. Finally, Disk Image 3 has also been enhanced with network functionality. The software is said to create images of individual drives and entire systems easily and quickly. Thanks to remote installation on network computers and the new Job Assistant, it can save both time and resources. (Photos available)

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Hall: , Stand



## CeBIT Security World

### **Testing the security of wireless networks (667)**

The new Elcomsoft Wireless Security Auditor allows network administrators to verify how secure a company's wireless network is by executing an audit of accessible wireless networks. Reportedly featuring cost-efficient GPU acceleration technology, which apparently saves time when one or more compatible Nvidia or ATI video cards are present, the application attempts to recover the original WPA or WPA2-PSK text passwords to test how secure a wireless environment is. In addition, users can run advanced dictionary attacks with highly configurable variations and perform attacks from inside or outside a network. The solution works completely offline and is said to be undetectable by the Wi-Fi network being probed. It analyzes a dump of network communications in order to try and retrieve the original in plain text. (Photos available)

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### **USB reader supporting Secure PIN Entry (640)**

The ACR 83 Pin-Easy is a USB reader that features a keypad and display and supports Secure PIN Entry (SPE). As the Hong Kong manufacturers explain, the PIN (Personal Identification Number) is entered on its keypad securely and then authenticated within the device. Since the code is entered into the appliance rather than a vulnerable PC or workstation, the possibility that a virus, Trojan or USB sniffer gets hold of the pin can be safely eliminated. The product fits into the palm of a hand and is said to be one of the smallest pin-pad readers in the market. In order to authenticate oneself, all one has to do is connect the reader to a USB port on the PC, insert the smartcard, follow the commands on the LCD, and enter the PIN number. In addition, the hardware is claimed to be compliant with leading computing, banking and safety standards such as Microsoft WHQL (Windows Hardware Quality Labs), PC/SC, EMVCo Terminal Level 1, CE, and FCC. (Photos available)

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## CeBIT Security World

### **Utility software to speed up PC operations (524)**

The Kyosoku series is a utility software series said to accelerate several PC processes without having to go through difficult settings or configurations. Since the release of version 95 in 1996, the line-up has continued to expand. Recently, a new USB memory version of the software has been introduced into the range. This program is seen as an ideal solution for netbooks, which do not have CD drives by default. According to the developers at Sourcenext, the USB memory version has found good acceptance on the market. (Photos available)

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### **Verified transactions and signature capture (611)**

The Desko SP 500 BMOB is a combined solution comprising an OCR reader for passports, ID cards and checks as well as a full-page digitizer and signature pad. This combination is said to enable a verified transaction process and a legally binding signature capture in an efficient and secure way. Furthermore, the system avoids cross-media conversions thanks to its special technology to display the whole contract or form to be filled out. The precise, pressure-sensitive electromagnetic pen reportedly delivers every biometric detail of the handwriting or signature. With its full-page design and what is claimed to be the largest display on the market, the solution is praised as closing the gap between plain signature capture and real electronic contract and form processing. (Photos available)

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## CeBIT Security World

### **Versatile keyboard with ultra-small footprint (808)**

The Space Saver keyboard from Devlin Electronics offers an ultra-small footprint, which is said to be 60 percent smaller than a standard keyboard and a maximum of 275x155x69 mm with the desktop version. The manufacturers stress that it still provides the same functionality as a standard keyboard thanks to the inclusion of a separate number pad. As is pointed out, this is an area that frequently requires high levels of accurate number entry. The keyboards have apparently been widely supplied to financial dealing rooms, telecom locations, and point-of-sale desktops. As with the majority of the company's products, the keyboard can be modified to incorporate language variants and custom legends. It comes in a total of four standard versions, namely the desktop, tray, panel mount and glide-point versions. A further option is the addition of a membrane against spills to increase durability in industrial applications. Thanks to its versatility, uses are seen everywhere from in factories to call centers. (Photos available)

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### **Video surveillance solution for gas station lanes (726)**

Mobotix says it offers a new professional, complete gas station video surveillance solution at a low total cost. Thanks to superior high-resolution technology, camera-integrated storage, and the absence of mechanical moving parts, it is now claimed to be possible for the first time to securely monitor four gas station lanes simultaneously for under a thousand euros. Digital mass storage devices such as SD cards allow the storage of 16 gigabytes of data directly in the camera. This is praised as an excellent method of long-term recording in day-to-day gas station business. The company offers discreet and inconspicuous cameras for gas stations of all sizes and for every surveillance area required, whether these are store and cash registers, gas pumps, car wash and service areas, repair shops and warehouses, or new and used car sales premises.

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### **VoIP door station with image storage (724)**

Mobotix will be presenting its new door communication product line based on the international video telephony standard VoIP/SIP. As is explained, when the doorbell rings, a connection is set up via the network to a videophone or a computer. A 3.1-megapixel camera with a hemispheric lens enables the entire scene outside the building to be monitored. The image section is selected using virtual PTZ (pan, tilt, zoom) via the telephone, without any mechanical movement. The door station automatically stores events outside the building with sound whenever the doorbell is rang and the movement is detected or switches are triggered. The station and the door opener are powered via the network cable. Physically, the VoIP door station fits into the Vario module system from the German manufacturer Siedle and can be integrated with most of the modules, such as doorbell plates, motion detectors or lighting. The exhibitors will also be presenting the convenient Mx2-Wire connection set suitable for door stations, which reportedly enables users to link their cameras simply using the bell wire and power supply already available in the domestic electrical systems.

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### **Waterproof keyboard with easy routine cleaning (809)**

The Clean Key keyboard has been developed by Devlin to allow effective and easy routine cleaning. Originally designed for healthcare applications, it is constructed of elastomer rubber, which reportedly makes it completely waterproof. It can be wiped down at the desk or completely submersed for a thorough clean. As is explained, the product name derives from the patented key that, when pressed, isolates the keyboard from the PC and eliminates the need to unplug it. Without the inconvenience of disconnecting the keyboard, it is said to be easier to promote better cleaning practices. In the development of the device, the company stresses that it was always aware that the enhancements made for cleaning should not compromise standard functionality. According to the exhibitors, many of its users report that the retention of touch-typing ability and the familiar feel of raised keys make it preferable to flat panel-style keyboards. (Photos available)

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### **Web-based solution for exchanging bulk files (449)**

The Atlas Managed File Transfer (MFT) is claimed to improve business performance and efficiency, reduce costs, and deliver an immediate return on investment. The product is an outsourced, web-based solution incorporating Atlas Secure Data Exchange (SDX) and ensures a secure, reliable exchange of large or bulk files between organizations. As a result, companies can offload costly and unreliable file transfer infrastructures. The new solution is seen as ideal for various sectors like the finance, insurance, retail, manufacturing, media and entertainment, energy, utility, leisure, healthcare, life science, telecom, construction and automotive industries. It reportedly provides easy integration with trading partners, ultimate scalability for volumes and file size growth, and visibility for auditing and tracking purposes, without the expense of supporting in-house proprietary protocols. As the exhibitors put it, it frees up IT resources and reduces the operational, support and maintenance costs associated with managing disparate file transfer technologies, allowing businesses to consolidate all their file transfer solutions and removing the need for unnecessary proprietary software.

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## Banking & Finance

### Banking & Finance

#### **Banking keyboard with 99-percent first-pass success (800)**

Access IS will be displaying a dedicated keyboard for bank tellers. The multifunction AKC 127-C keyboard incorporates a high-reliability, motorized check reader that reportedly reads and captures check data in less than a second with better than 99-percent success rate on the first pass. This serves to optimize operator efficiency and reduce counter-top clutter by eliminating the need for a standalone check reader. The device can be configured with integrated modules including a biometric fingerprint reader, an optical character reader (OCR), a magnetic stripe reader (MSR), and a USB hub. The keyboard comes in US 104-key and 105-key versions and, in addition to the programmable Windows keyboard keys, over 20 keys can be programmed for dedicated functions. Keycap colors and legends can be customized. The motorized mechanism is described as quiet, reliable and almost impossible to jam. A removable cover on the top of the keyboard provides easy access for the removal of debris such as paper clips and staples. The magnetic head and transport mechanism can apparently be lifted out easily at the workstation for maintenance or replacement. (Photos available)

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#### **Card reader accessory for mobile POS terminal (406)**

Group Sense Mobile-Tech in Hong Kong offers a Magstripe Card Reader (MSR) as an optional accessory for their WF35 POS PDA, a mobile terminal for various point-of-sale applications in the hospitality industry. The compact device is deemed an ideal addition to its product for POS and loyalty applications and features a mini-USB interface to connect to the terminal. The manufacturers particularly highlight features like triple tracks, the compatibility with ISO 7810 and ISO 7811 standards, and the ASCII message format. The reader is said to have low power consumption and be easy to configure. (Photos available)

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Hall: , Stand

## Banking & Finance

### **Cash dispenser with cash-cycle technology (179)**

According to the automation specialists at Keba, their new Keplus R6 ATM (Automated Teller Machine) with cash-cycle technology efficiently moves cash transactions into the self-service zone and has a minimum space requirement as well. The small dimensions of the terminal coupled with the reduction in CIT (cash in transit), committed capital, and servicing and maintenance costs is seen as providing TCO (Total Cost of Ownership) advantages. At the same time, as the manufacturers point out, the machine can free personnel resources for profitable sales activities. The solutions package is claimed to be easy to integrate. Moreover, intuitively operable service tools and simple, ergonomically designed user controls help ensure high levels of customer and employee acceptance. According to the exhibitors, mature technical components, optimized cash cycle technology, a large deposit and dispense banknote capacity and innovative features ensure exceptional availability to the customer.

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### **Cashpoint for counter-free bank branches (180)**

The new Keplus X6 terminal to be highlighted by Keba is said to relocate all counter services and cash handling activities efficiently and completely into the self-service zone, thus allowing the realization of a modern, counter-free branch concept. Apart from the depositing and withdrawing of banknotes, the ATM (Automated Teller Machine) also incorporates the latest cash-cycle technology. The optional scanner is available for the completion of payment procedures with change function. As the manufacturers insist, the limited space requirement coupled with the reduction in CIT (cash in transit), committed capital and servicing and maintenance costs provides TCO (Total Cost of Ownership) advantages. In addition, intuitively operable service tools and simple, ergonomically designed user controls are claimed to guarantee high levels of customer and employee acceptance. The exhibitors also point to the mature technical components, the optimized cash cycle technology, the large deposit and dispense banknote capacity and the innovative features as generating exceptional availability to the customer.

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## Banking & Finance

### **Compact and rugged interactive enquiry terminal (799)**

The MMT 120 from Access is billed as a compact and rugged enquiry terminal designed for use by the general public or airport and port security agents. The terminal automatically reads both 1D barcodes and 2D symbols presented in any orientation in the illuminated target zone. Barcodes printed on home-printed documents and displayed on the screen of a mobile device can also be read. According to the English exhibitors, the imaging engine is optimized for the fast and accurate reading of barcodes and runs from established software deployed in airport products worldwide. The modular design offers a wide range of options including OCR functionality for reading ICAO 9303-compliant passports and travel cards, MSR functionality for reading ATB-2 documents, credit cards and frequent-flyer travel cards, and RFID functionality for reading e-passports and ID cards. The high-resolution, full-color VGA display comes with the option of a touchscreen. Ethernet or optional wireless LAN connectivity enables communication with host systems. Possible applications include self-service check-in facilities, passenger information displays, and security checkpoints. (Photos available)

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### **Compact, attractive entry-level POS system (545)**

Advanpos has announced the launch of a new entry-level POS system called QP-1000D. Billed as a cost-effective solution with uncompromised quality, it features a distinctively compact footprint and unique design that is described as definitely eye-catching. The attractive design is said to blend well with stores and restaurants priding themselves on a distinctive ambiance. Adopting the latest Intel Atom processor and chipset, the system is capable of running as a fan-less system with low power consumption. Equipped with a foldable 8.9-inch touch LCD monitor, it is also easy to store and move around as is needed, which should make it a good choice where counter space is limited. A MSR (magnetic stripe reader) is integrated and the cable-less modular design allows an optional Wi-Fi or Bluetooth module. (Photos available)

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## Banking & Finance

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### **Compact touch POS system in slim design (544)**

The new Advanpos Z-POS Lite is a compact touch POS system with a distinctively slim design catering to a wide variety of application needs in the retail and hospitality sectors. Billed as a scaled-down version of the company's Z-POS, it serves as a good option for customers looking for a more compact and cost-efficient alternative. Adopting Intel's latest Atom processor, the solution is billed as a power-efficient system offering uncompromised reliability and robustness. The processor and chipset has been adopted to provide a total power consumption of less than 60 W. The manufacturers also emphasize the magnesium-aluminum and aluminum die-casting enclosure, the cable-less modular design, and the dockable LCD monitor that enables easy maintenance. Optional devices are available for additional flexibility. The LCD monitor is apparently IP64-compliant. (Photos available)

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Hall: , Stand

### **Economic bank transfers with full-surface scanning (181)**

Rondo 4-Forms Plus from Keba is a compact, mono-functional transaction terminal with full-surface scanning for economic, self-service transfers. According to the Austrian-based manufacturers, the small transfer machine offers a complete self-service range embracing self-service transfers, statement printouts, account balance and turnover inquiries, an overview of permanent orders and ongoing debits, and an event overview with ticket purchasing. Thanks to rapid, secure and comfortable transfers, the self-service bank transfer unit is claimed to significantly relieve the burdens placed on the counters and the back office. According to further details on the homepage, the unit recognizes OCR A+B on standard characters, which includes recognition of proportional scripts as well as numerical and alphanumeric block handwriting. The automated interpretation and further processing of the data can apparently be handled with maximum economy irrespective of the current account volume.

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## Banking & Finance

Hall: 017, Stand D28

### **Economic form processing in the self-service foyer (182)**

The Austrian automation specialists from Keba will be presenting their Rondo 4-Scanning unit. The machine is described as an economic, mono-functional self-service terminal for the partial automation of retail customer payment transactions. As is explained, the customers can scan and digitalize transfer forms, which are then transferred automatically to processing. According to further explication on the company's homepage, the terminal removes the need for any physical transport of forms between bank departments, speeds up the processing and execution of bank transfers, and allows document processing to move forward without the scanning and archiving of the original documents. The manufacturers maintain that form processing has thus been efficiently transferred into the customer self-service area and the bank organization is therefore freed from the task.

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### **Electronic cash register with fast printing (117)**

Multisoft points to what it calls its considerable success on the Russian fiscal ECR (Electronic Cash Register) market and adds that it has been providing fiscal hardware solutions for the ECR and fiscal printer markets in Europe, Asia and Africa for three years. The company will be highlighting the Alpha-400F electronic cash register at the fair. The device features an internal fiscal memory for 5,000 daily totals, a one-station, 57 mm thermal printer, and an in-built cash drawer. Further specifications include a USB port for the PC, two COM ports for a scanner and scales, flash memory for an article database (10,000 PLU), and a daily electronic journal for up to 5,000 transactions.

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## Banking & Finance

### **Fiscal card solution for POS printers (166)**

One of the products to be showcased by the Russian company Multisoft will be the Alpha-FC fiscal card for Point-of-Sale printers. The device features an internal fiscal memory for 5,000 daily totals, a removable electronic journal with a capacity from 256 MB to 1 GB, which is encrypted on either an MMC or SD card, and a USB port for linking to a PC. Further advantages include an Opos (OLE for Point-of-Sale) fiscal printer driver for higher-level applications, a COM port for a customer display, and a PS/2 connection for a cashier's keyboard as a stand-alone solution. The solution also incorporates flash memory for an article database (PLU) as a stand-alone solution. According to the exhibitors, the product has been specifically designed to replace receipt printer interface cards within printers and thus make them fiscal.

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### **Fitness sorter for recycling banknotes (706)**

The Spanish firm Sallen will be presenting Siclo F2+1, which is described as an effective fitness sorter for recycling banknotes in bank branches. The device is claimed to provide high productivity for the process of fitness sorting, which filters currency unfit for further circulation, at an affordable price. It is also said to be very easy to operate thanks to a clear menu with graphic information that the user can navigate through via a touchscreen. The sorter is equipped with advanced technology to authenticate, detect and qualitatively select Euro banknotes.

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### **Goods management software for retail outlets (243)**

One of the business solutions on show from the Bulgarian company Microinvest will be a system for the management of retail outlets, restaurants, and Point-of-Sale (POS) systems. The program has apparently been designed for working with huge numbers of goods in real time. It features a built-in connection to a cash register and barcode reader. According to the exhibitors, the system of passwords and access levels provides security for the databases without limiting the functional capabilities of the solution. The fast and easy installation and the compatibility with all printer types are also stressed. The specialized Touchscreen and POS modules are said to cover all the necessary requirements in such classes of systems.

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### **High-capacity, self-service coin deposit system (178)**

The new Keplus CD-Master from Keba is described as a high-performance coin deposit system for 24-hour self-service operation. It is seen as being of special value to banks in the automation of expensive service processes relating to account deposits by business and retail customers. The innovative coin module reportedly guarantees top performance, operational security and a high degree of robustness against foreign bodies, which is said to be indispensable in the coin deposit sector. Semi-online or fully online network connectivity allows the direct booking of the deposited amount on the customer account. In this way, the solution is claimed to provide quick and safe self-service processing and make a major contribution to reducing counter and back office loads. As the manufacturers point out, the compact system is easily integrated into existing branch concepts and is available as both a freestanding and TTW (Through the Wall) solution.

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## Banking & Finance

### **Keyboards with integrated fingerprint readers (798)**

Access IS has announced a family of AKC-programmable keyboards with integral Digital Persona U-are-U fingerprint readers that recognize even the most difficult fingerprints accurately and rapidly regardless of the placement angle. There are 84 standard keyboards in the product family, with between 42 and 127 keys. All except the 80-key version are available with optional magnetic stripe readers (MSRs) and touchpads are an option on many models. A rapid configuration service is offered to customize keyboards with special key top layouts, legends, and customer logos. As the company explains, on-board electronics encrypt the 512-dpi scanned image before sending it through the USB interface, whereby built-in intelligence rejects counterfeit and printed fingerprint images. Special software allows users to create own configurations for key positions and combinations quickly and easily. A pass-through port is fitted to simplify system maintenance and programming. The keyboards reportedly use switches with a life of over 50 million operations. Their cases are either cool white or gray so as to match industry-standard peripherals. (Photos available)

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### **Mobile terminals for point-of-sale applications (407)**

Group Sense Mobile-Tech will be exhibiting two mobile point-of-sale terminals. Both the WF35 POS PDA and the compact-sized WF28 utilize Wi-Fi 802.11b/g, feature a 3.5-inch LCD, and incorporate Windows CE 5.0 Professional Edition software. The manufacturers in Hong Kong point to the single SSID enforcement for fixed wireless connection and the unattended fast access-point roaming. The devices continue to maintain a Wi-Fi connection in active and sleep modes. Bluetooth printing as well as dial-up networking are also supported. A barcode scanner is built in and there are separate administration and user modes to avoid misuse. Further specifications include configurable LEDs, shortcut keys, an alert tone, and a vibrator for customized applications. A clone and backup utility is provided for easy field deployment. An SDK (Software Development Kit) is available for the rapid development of industrial applications. A six-cell battery charger is an optional accessory. 1,400 and 2,800 mAh batteries are a further option for the former model, whereas 1,200 and 1,800 mAh batteries can be included in the latter terminal. (Photos available)

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Hall: , Stand

### **Point-of-sale PDA with barcode scanner (404)**

A recent product on show from Group Sense Mobile-Tech will be a mobile terminal for POS applications. It features a 3.5-inch LCD and incorporates Windows CE 5.0 Professional Edition software. The manufacturers in Hong Kong point to the single SSID enforcement for fixed wireless connection and the unattended fast access-point roaming. The device continues to maintain a Wi-Fi connection in active and sleep modes. Bluetooth printing and dial-up networking are also supported. A barcode scanner is built in and there are separate administration and user modes to avoid misuse. Further specifications include configurable LEDs, shortcut keys, an alert tone, and a vibrator for customized applications. A clone and backup utility is provided for easy field deployment. An SDK (Software Development Kit) is available for the rapid development of industrial applications. A six-cell battery charger or an MSR (Magstripe Card Reader) are optional accessories. (Photos available)

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### **Robust touch POS system with dual LCD displays (543)**

Advanpos will be unveiling their new H-POS robust touch POS system designed to suit a wide range of application needs in the retail and hospitality sectors. It features a vertical stand design with dual LCD displays and is seen as ideal for space-constrained applications. The solution has a magnesium-aluminum enclosure and a fan-less design and offers cable-less modularization for easy maintenance. The company particularly stresses the dockable LCD monitor, sliding CPU box and the HDD in LCD monitor construction. Optional devices serve to provide additional flexibility. Further merits include low power consumption and a powerful battery back-up system. The LCD monitor is said to be IP64-compliant. (Photos available)

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## Banking & Finance

### **Six-in-one charger for mobile POS terminals (405)**

Group Sense Mobile-Tech will be displaying a six-in-one charger for their point-of-sale PDA devices. The device features the simultaneous charging of six batteries and supports the standard and extended batteries of the company's WF28 or WF35 mobile terminals in each slot. There is an LED indicator to show the charging status and to warn about short circuits and high or low voltages. Protection against over-voltage and over-current is also incorporated and over-temperature and over-charging is reportedly detected. (Photos available)

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### **Table-top ordering system for hospitality firms (546)**

Advanpos will be premiering their new QP-3000 W table-top ordering system for the hospitality market. Aiming to improve operating efficiency as well as to providing an informative and fun interactive ordering experience for customers, it is seen as ideal for direct order taking and menu promotion in a restaurant setting. With the solution, restaurant owners will reportedly enjoy a faster turn-around time, require less manpower, and achieve more efficient operation overall. For customers, it is claimed to create a new dining experience that is both fun and informative. The compact yet fully integrated system can be wall-mounted or placed on the desktop. A swing arm is available for the desktop option to provide easy rotation, allowing maximum flexibility in the viewing angle adjustment. The device implements the Intel Atom Z510/Z530 CPU and US15W single chip and features an 8.9-inch TFT LCD with 1,024x600 dpi and touchscreen. The compact footprint is specified as 270x172x62 mm. The company also points up the fan-less operation, the low power consumption, and the Compact Flash socket support. (Photos available)

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## Banking & Finance

### **Tiny optical character recognition reader (797)**

Access IS has developed an ultra-compact optical character recognition module for OEM integration into portable devices in which low-power consumption is critical. It is claimed to be the smallest optical character recognition module available. The OCR 130 measures 36.3x22.7x18.5 mm and operates from a 3 VDC power supply. The operating current is 130 mA, which apparently drops substantially when the reader is in rest mode. Applications include security checks at airport boarding gates or speeding up check-ins and police identification controls. The module reportedly captures code lines from machine-readable travel documents including machine-readable passports, visas and travel cards conforming to ICAO Document 9303. In addition, Apacs debit and credit documents are said to be readable, as well as E13 B OCRB and mixed E13 B and OCRB fonts. The company maintains that its proven OCR decoder technology ensures fast, accurate document reading. The device connects via a twelve-way, 0.5 mm-pitch, flat flexible ribbon cable (FFC). Mating cables and connectors are also available. The communication with external systems is achieved via RS-232 or USB interfaces. (Photos available)

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### **Touch point-of-sale system with dual-hinge design (542)**

Z-POS is a new point-of-sale system said to offer unprecedented ease of maintenance and quality. The powerful touch POS system has been designed with the retail and hospitality sectors in mind and reportedly boasts many unique designs and features. Its dual-hinge flexibility, cable-less docking mechanism and magnesium-aluminum LCD enclosures are among some of the distinctive features that have distinguished the solution from other POS terminals in the market. Features include the dual-hinge design, which apparently offers maximum flexibility to adjust the display viewing angle and the system height, the magnesium-aluminum and aluminum die-casting enclosure, and the cable-less modular design. The manufacturers also highlight the powerful battery back-up system and the simple maintenance thanks to the dockable LCD monitor, the sliding CPU box, and the hard disk drive in the LCD monitor. Optional devices are available for further flexibility. In addition, the LCD monitor is said to be fully IP65-compliant. (Photos available)

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