

PRODUCT SHOWCASE

GEO:CONNECTION LOOKS AT THE LATEST IN GEOMATICS PRODUCTS

NEXCOM LAUNCHES MRC 2300

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The **Nexcom MRC 2300** is an economical and durable 8" tablet PC designed for mobile workers requiring real-time information in a variety of working environments. The MRC 2300 is equipped with a 2 Mega pixel colour camera, built-in 1D/2D barcode scanner, RFID interface and on-board GPS. In terms of wireless connectivity MRC 2300 is equipped with Bluetooth version 2.1, 802.11 b/g/n WiFi and has optional WWAN support for GSM/GPRS/HSDPA/WCDMA. Utilizing LED backlight TFT technology, MRC 2300 is equipped with a reliable 5 wire touch screen and is designed for use in harsh environments, being tested to MIL-STD-810F and IP54 standards. It is housed in a rubber case that withstands drops up to 4 ft and operates in temperatures from -20°C to 50°C. Based on Intel's latest energy efficient Intel® Atom™ N450 1.6GHz 667MHz FSB CPU, MRC 2300 measures 280mm (W) x 205mm (H) x 37mm (D) with its protective rubber cladding and weighs 1.44Kg. Operation is via stylus, touch, or a PDA-style 5-way navigation ring, with four programmable function buttons that can be used to perform tasks or bring up applications.

www.nexcom.eu

COMPACT DUAL FREQUENCY GNSS BOARD

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Ashtech announced the **MB 100 GNSS Board**, the world's most compact dual frequency RTK OEM board. MB 100 is the only RTK capable board designed to address equally well L1 GPS+SBAS standard applications, L1/L2 GPS+SBAS and L1 GPS/GLONASS + SBAS applications in the smallest form factor and power consumption ever. The MB 100 measures 58mm x 56mm x 11mm and uses less than 0.8W of power. The MB 100 features a variety of output messages and data formats for extensive OEM solution interoperability. Embedded BLADE™ technology secures the best possible measurements from the GPS, GLONASS and SBAS constellations by perfectly mixing multiple observables without compromise between quality and availability, delivering robust and dependable GNSS measurements optimally processed for excellent field productivity. The MB 100 may be operated either as a base or a rover and is available in various GNSS modes to match the needs of any customer. All modes are available in the same hardware package and are simply activated by firmware option activation. MB 100 also features two antenna input connectors, with automatic switching between the two antennas for specific applications such as hand-held integration.

www.ashtech.com

NEW SCANNER-PRINTER BUNDLE

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Paradigm Imaging Group released a new 36-inch **scanner-printer combination**; the **SK280 scanner**, formerly available only with the Supra EIS system, can now be paired with the **Canon iPF710 imagePROGRAF printer** to create an affordable yet powerful scan to print solution. Key features of the SK280 include scan speeds up to 6 inches per second in Grayscale and B/W and 2 inches per second in color @400 dpi; up to 600 dpi true optical resolution, 1200 dpi interpolated; convenient, face-up scanning; improved document feeding; new power saving mode reduces power consumption to 5W or less. The iPF710 imagePROGRAF Printer offers D-sized output in only 35 seconds on plain paper in fast mode, all in full colour; on-board support for HP-GL/2 and HP RTL files; vibrant full-bleed posters, clear text documents and crisp line drawings easily and quickly; 5-colour dye/pigment Reactive Ink technology and supports roll media with 2 or 3-inch core.

ARMOR X10MG RUGGED PORTABLE

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The chassis of the new **ARMOR X10mg** is made of an all new magnesium alloy that reduces weight and maintains durability. ShutOut™ technology provides IP 66 certified protection from moisture and particulates, while still offering hot-swappable, no-tool battery access. The ARMOR X10mg also offers enhanced outdoor viewability with an exclusive bonded transfective, energy-efficient 10.4" LCD display. This new technology utilizes external light, which reduces the amount of backlight required and extends battery life. The high intensity screen is standard as a transmissive display with a passive touch or active digitizer pen input. Inside, the user-replaceable 2.5" hard drive, integrated Wi-Fi, Bluetooth, and optional GPS provide data protection and connectivity. Meanwhile, the internal OEM FlexSpac™ and protected Type III PCMCIA slot offer customization for any application. Manufactured and certified to MIL-STD-810F standards, the ARMOR X10mg is tested for drop shock, moisture, dust, vibration resistance, and temperature.



SATELLINE®-EASY

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SATELLINE-EASY is a new transceiver radio modem from SATEL. It provides compact and flexible solution for many different long-range applications like land surveying. SATELLINE-EASY is equipped with a wide 70 MHz tuning range; end-user can select the operation frequency within the whole range 403...473 MHz. Only one version in the stock and all the channels available! In addition to the wide frequency range the channel spacing 12.5, 20 or 25 kHz is software-selectable and either +3...+9 Vdc or +6...+30 Vdc voltage level ranges ensure low power consumption. Thanks to the good receiver sensitivity, the output power of 1 W enables long connection distances. SATELLINE-EASY is compatible with widely used and well known SATELLINE-3AS(d) radio modem family and can also be included in systems based on other manufacturers' protocols. SATELLINK additional equipment products are compatible with SATELLINE-EASY too.

www.satel.com

ASHTECH MOBILEMAPPER 100

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MobileMapper 100 is the newest generation of Ashtech GNSS handheld mapping solutions, complementing the well-known MobileMapper family that includes the MobileMapper 6 and MobileMapper CX GPS/GIS data collectors. MobileMapper 100 sets a new standard for mobile mapping accuracy, providing real-time sub-meter, to centimetre, accuracies in a rugged and lightweight 22-ounce (0.62 kg) unit. The MobileMapper 100 integrates an open operating system, built-in communications and Ashtech's BLADE™ technology, which allows the MobileMapper 100 to deliver the high accuracies desired by GIS professionals, even in extreme GNSS environments, including urban and rural canyons and under dense canopies. MobileMapper 100 offers extended connectivity, including built-in GSM, Bluetooth, USB and RS232 communications and multimedia features like Internet access, E-compass, G-Sensor, and a 3M-pixel camera. The MobileMapper 100's GNSS scalability – GPS or GPS/Glonass configuration – and its compatibility with 3rd party networks (VRS, FKP, MAC) enables GIS users to experience optimal data collection virtually every time and anywhere.

www.ashtech.com

TRIMBLE FIELD INSPECTOR

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Trimble Field Inspector software for handhelds provides a robust GPS-enabled mobile solution for optimizing smart grid and utility field operations, including asset installation, maintenance, and inspection. Using Trimble mapping and Geographic Information System (GIS) handheld devices, the software allows utility field workers to capture GPS time and location information along with 1D and 2D barcode data, digital images, digital sketches and electronic signatures. The GPS data can be used to route jobs, locate workers and assets, and provide a valuable validation of where and when work is performed to support regulatory reporting. The Trimble Field Inspector software helps streamline operations with automated field workflows, easy-to-use smart handheld data collection forms, and the ability to interactively view jobs and assets using a map display. Through a single listing of all jobs and their status, users can quickly and easily locate and identify job assignments and priorities. By putting utility maintenance inspection technology directly in the hands of the mobile workforce, Trimble Field Inspector allows field crews to complete their work faster and more accurately, enhancing utility service quality, improving system reliability, and reducing cost. Trimble Field Inspector Desktop software leverages existing GIS, asset, and work management databases and workflows to deliver a complete end-to-end handheld maintenance inspection solution for field workers.

www.trimble.com

NAUTIZ X7 HANDHELD

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The **Nautiz X7** exemplifies the evolution of rugged handheld computers, delivering a lively 806 MHz Xscale processor, with 128 MB of onboard RAM and a 4 GB of Flash storage, with a 5600 mAh Li-ion battery that will operate up to 12 hours on a single charge. No other PDA provides more storage or longer standard battery life. The Nautiz X7 also delivers integrated SiRF Star III GPS, Bluetooth 2.0 and 802.11b/g WLAN functionality, plus a built-in 3-megapixel camera with autofocus and an LED flash, plus innovations such as 3G capability for GSM/UMTS phone and data transmission, an integrated compass and altimeter, and even a g-sensor/accelerometer that can measure speed, vibration and rotation, opening the door to countless application possibilities. The Windows Mobile 6.1 operating system, 3.5-inch VGA touchscreen display and choice of numeric or PDA keypad make this handheld as easy to operate as it is ground-breaking. With an IP67 rating, the rugged Nautiz X7 is impervious to dust and water, and can withstand repeated drops, vibration and operating temperatures from -30 °C to 60 °C. It weighs 490 grams and is compact enough to operate in one hand.

www.nautiz.com

