



Products and Services MarketPlace

■ A guide to key products and services showcased at Milcom 2012 exhibition in Orlando, Florida from October 29-November 1, 2012.

Advantech Wireless

www.advantechwireless.com

Advantech Wireless accredited products and advanced technologies have provided leading-edge innovations for over 20 years. We provide diverse and extensive technologies and products for video and data transmission and proven flexibility for specialized solutions.



**Advantech
Wireless**

The new 25W GaN X-Band BUC is perfectly suited for harsh environments such as man-pack terminal deployments. Constructed in a compact cooling enclosure for outdoor operation is the smallest fully integrated unit on the market today.

Advantech Wireless' S5920M Ruggedized VSAT Terminal is a complete DVB-RCS modem that can be used in very harsh environments as in military and desert operations. The AMT 73L was the World's first deployed modem with certified compliance to the MIL-STD-188-165A standard, designed to fulfill two way satellite communication requirements in Defence Satellite Communications Systems (DSCS).

The Raptor series of transportable hubs from Advantech Wireless are turn-key systems which can be deployed in less than 1 hour, to enable a wide range of public and/or private network topologies with satellite interactive terminals. The RAR9160 Ruggedized Router is designed to provide best in class performance for critical applications under harsh environments. Advantech Wireless' new line of ruggedized products, the KR Series, are perfect for government and military application.

To schedule a meeting at MILCOM send an e-mail to marketing@advantechwireless.com

Agile Milcoms

Booth no. 430

www.agilecoms.com



Agile Milcoms is part of the Agile Communication Systems (ACS) group of companies. Our focus is to offer the highest level of service and expertise for customers in the military and government communications sectors by assimilating the latest in both digital and analog communications technologies and products.

The specifications and skill requirements needed to effectively perform in any environment are absolutely critical to a project or program's success. ACS understands this, and has established Agile Milcoms to focus solely the intricate variables in this specific global communications market.

With its operations based in the Silicon Valley, ACS is a leader in communication system design and integration and has secured projects throughout numerous continents working with Federal, State and local agencies.

Product & Service offerings include:

- Satcom Networks including; iDirect, DVB RCS2 with TRANSEC
- Forward Reconnaissance, Man-Pack & Disaster Recovery Comm. Systems
- Low Profile Comms On The Move Satcom Terminals
- Satcom Space Segment for both CONUS & OCONUS applications
- FVM and WAMI Video solutions, including encoding, decoding, transcoding and IP Networks
- Secure ISR information with video to the Warfighter using compatible Android tablet and smart phone devices
- Intelligence, Surveillances & Reconnaissance Systems
- CONUS & OCONUS Installation, Sustainment and Training

A.G. Franz LLC

www.agfranz.com



A.G. Franz, LLC

A.G. Franz, LLC is a wholesale logistics and business consulting firm providing a broad range of services to the satellite, broadcast and cable industries, satellite users, wireless and cable system providers, system integrators, aerospace, government and electronics companies.

Our Sales Representation in the US includes Importer and Distributor Services, as well as Marketing Activities and Market Research. Our partners include:

Narda Test Solutions— specialized RF test equipment for interference measurements: IDA (Interference and Direction Analyzer) and NRA (Narda Remote Spectrum Analyzer)

Advanced Broadcast Components— XTASI and 4T2 family of RF and digital video-stream analyzers

Peak Communications— high performance frequency converters, block converters, uplink power controllers, line amplifiers and test-loop translators

Blankom Antennentechnik— digital encoders and headend equipment

Hilkom Digital— multi-format receivers and digital video processing equipment

To schedule a meeting at MILCOM send an e-mail to andrea@agfranz.com or call +609-947-1459

Cobham Tracstar
Booth no. 705
www.cobham.com/tracstar

Cobham TracStar Land Systems is an international provider of mobile satellite communications technology to Government (military and civil), Commercial Media, Energy and Mining, and Enterprise markets. We have a comprehensive offering of products and services including Comm-on-the-Move, Comm-on-the-Pause, and Man-Packable antenna systems delivering video, data and voice connectivity worldwide.



Tracstar LVT 750P8 Terminal

The TracStar LVT Series of Manual Backpack Terminals provides a heavy duty, ruggedized, self-contained mobile system designed for easy portability and field-swappable Ku-, Ka- and X- band operations. Pictured here is the LVT 750P8, with an 8-segment carbon fiber reflector and tripod. BUCs, LNBS, and manual pointing tools for smartphones are also available.

For more information, contact Cobham at +1 (407) 650-9054 or sales@tracstar.net.

Comtech Xicom Technology
Booth no. 1612
www.xicomtech.com

Comtech Xicom Technology, Inc., is introducing at MILCOM a new, compact, LCD (liquid crystal display) touch screen controller for high-power amplifiers (HPAs). The new LCD touch screen provides an easy-to-use interface for monitoring and controlling multiple amplifiers and switches.

Comtech Xicom Technology's new generation of XTCT rack-mount controllers provide an easy to use, intuitive touch screen interface for monitoring and controlling out-

door amplifiers (ODUs) used for commercial or military satellite uplinks. The new full-color LCD touch screen front panel displays the HPA's operational status, including power output, temperature, graphical displays of parameter trend analysis, and event logs. Local and remote diagnostics can also be easily performed via an Ethernet interface.



Comtech Xicom's New XTCT Controller

The new model XTCT controller is housed in an industry-standard 3RU, 19-inch rack unit and can be configured for controlling a single amplifier or multiple amplifiers in 1:N redundancy systems. The controller can be reconfigured for different system requirements without expensive hardware changes. Another valuable feature is that all operational data is saved within the controller's non-volatile memory for up to fourteen years, providing a complete history of the HPA system in the event of service or repair. The XTCT controller measures 19-inches wide by 5.22-inches high by 9-inches deep and weighs less than 7 pounds. It includes redundant AC power supplies.

Globecomm
Booth no. 1603
www.globecomm.com

Globecomm's hosted 4G LTE solution significantly reduces the time, money and manpower needed to add, migrate to or launch a fully managed, secure solution for mobile voice, data and video. This rapid-deploy solution is an ideal choice for First Responders and mission-critical operations due to its compact size and cost-effective IP Offload design. User-based pricing and hosted or managed services allows for flexible, custom options from Globecomm as well as vendor agnostic, compatibility to legacy systems (2G, 3G & 4G).



Globecomm's 4G LTE Solution

This solution eliminates the use of expensive transport to the core network with no compromise to network security, control, visibility or reliability. All data resides within your network. Globecomm can also provide network and RF planning, UE user devices, eNodeB radio gear, backhaul solutions, converged packet gateway, LTE core, NOC service and network management tools as needed. Globecomm engineering teams provide interoperability testing and implementation in its state-of-the-art wireless laboratories.

Narda Test Solutions
Visit Narda at the L-3 Booth no. 1019
www.agfranz.com/products_narda.html

At MILCOM two new test equipment analyzers from Narda Test Solutions (an L-3 Company) will be presented.

The portable, low-weight **IDA Interference and Direction Analyzer** is a highly sensitive signal analyzer, with an extremely fast sweep time at 12 GHz/sec and a real-time bandwidth of up to 32 MHz for intercepting short term signals. The unique smartDF direction finding mode manages triangulation results and automatically calculates emitter positions. These features are ideally suited for the warfighter to quickly localize emergency transmitters and jammer locations, as well as support close range reconnaissance and signal monitoring for border patrols.



Narda Interference and Direction Analyzer

The **Narda Remote Spectrum Analyzer NRA** is a family of 19" 1RU rack mountable high speed test equipment that is easily integrated and remotely controlled in measurement environments. The fan-less design enables silent continuous operation. The wide bandwidth (9kHz to 6 GHz) of the NRA-6000 enables the warfighter to simultaneously monitor radio, cellular and WiMAX Signals. The NRA-3000 is capable to analyse signals from 9kHz to 3GHz for line-up and troubleshooting of satellites. It is also available with an integrated LNB control making it ideally suited for military satellite communication systems.

The IDA and the NRA are available in North America through A.G.Franz, LLC www.agfranz.com

NEWTEC
Booth no. 100
www.newtec.eu

Newtec's has recently launched a new satellite modem portfolio. The range features a variety of specs appropriate for consumers, enterprise markets, service providers, governments and large-scale operations over satellite requiring even higher speed returns:

The Newtec **MDM2200** IP Satellite Modem, designed for consumers and SME's, offers download speeds up to 16 Mbps and 3.5 Mbps upload alongside the lowest power consumption available on the market.

For high throughput B2B applications the Newtec MDM3100 IP Satellite Modem will easily handle up to 45 Mbps download and 5 Mbps upload; with a future release

increasing this to 10 Mbps.

Finally the hotly anticipated Newtec MDM6000 Satellite Modem completes the portfolio and will also be launched at the show. This modem bundle is capable of handling speeds up to 2 x 380 Mbps, and already has the upcoming S2-extensions candidates (including new modulation codes up to 64 APSK and 72 Mbaud) on board. These S2-extensions promise an efficiency increase of 15 to 37% on top of DVB-S2. The new modem portfolio fully integrates Newtec technologies including:

Clean Channel Technology™ (CCT) which increases efficiency up to 15% by using low roll-off factors, advanced filter technologies and optimal carrier spacing.


FlexACM® switches between maximum efficiency and robust modulation when needed, giving maximum throughput and availability in all circumstances.



Newtec's new Satellite Modem Portfolio

Automated **Equalink®** provides significant improvements by pre-distorting the modulated signal, which gives up to 10% extra efficiency on a transponder.

Newtec's Bandwidth Cancellation combines the forward and return transmission in the same satellite bandwidth giving up to 30% extra efficiency gain.

Combining these technologies brings significant gains to your transponder efficiency, as demonstrated in the recent world record-breaking announcements by Newtec. 



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