



Products and Services Market *Place*

■ A guide to key products and services to be showcased at MILCOM 2014, Baltimore, Maryland , USA from October 6-8, 2014.

Advantech Wireless
booth # 443
www.advantechwireless.com

Advantech Wireless, a global trusted leader for wireless broad-band communications solutions for Commercial, Critical Infrastructure & Government and Military clients, will be showcasing at MILCOM 2014 its digital brand for innovative solutions offerings for broadcast, aerial surveillance, military, homeland security, and disaster recovery and emergency preparedness markets.

Advantech Wireless's smarter solutions give clients the freedom to reach farther, to achieve reliable connectivity anywhere in the world, and accomplish critical missions of global significance.

Advantech Wireless designs turnkey terrestrial and satellite communications solutions that maximize performance and minimize operational costs, all with uncompromising quality.

With its customized approach, award-winning R&D and innovative engineering, Advantech Wireless empowers clients to achieve excellence in communication, while experiencing reduced CAPEX and OPEX overall.

Under a new tagline "Smarter Solutions, Global Reach," Advantech Wireless showcases its innovative solutions on its new rebranded web site www.AdvantechWireless.com.

These innovations solve key challenges for sectors such as military, including a first-time acknowledgement of its innovative support for aerial surveillance and drones. In addition, Advantech Wireless' award-winning GaN technology solutions facilitate cost-effective, energy-saving communications connectivity by enabling the replacement of multiple antennas and up to hundreds of TWTs/Klystrons.

By achieving superior power and linearity performance, Advantech Wireless SapphireBlu™ Series of UltraLinear™ GaN technology-based SSPAs can completely saturate all transponders on any satellite using a single antenna and a single solid-state power amplifier per polarization.



Cobham SATCOM Land
booth # 512
www.cobham.com/satcom

Cobham SATCOM is an official launch partner for Inmarsat Global Xpress® (GX), and several EXPLORER products are being developed specifically for operation on the GX network. Products include the EXPLORER 3075GX, which is a 0.75m Electronic Assisted Manual Point Fly-Away terminal; the EXPLORER 5075GX 0.75m Auto-Acquire Fly-Away terminal; and the EXPLORER 7100GX 1.0m Auto-Acquire Drive-Away terminal.



Cobham's EXPLORER 5075GX

Regardless of the application, Cobham's suite of GX EXPLORER terminals provide the reliability and functionality required to effectively connect users to the GX network for mobile and vehicular use across diverse sectors including Government, Emergency Response, Law Enforcement, Media Broadcasting, Transportation, Enterprise, Energy and Mining.

Comtech EF Data
booth # 373
www.comtechefdata.com



Comtech EF Data Corporation, a subsidiary of Comtech Telecommunications Corporation, is

the recognized global leader in satellite bandwidth efficiency and link optimization. The integrated SatCom infrastructure solutions encompass Advanced VSAT Solutions, Satellite Modems, RAN & WAN Optimization, Network & Bandwidth Management and RF products.

The offerings enable commercial and government users to reduce OPEX/CAPEX and to increase throughput for fixed and mobile/transportable satellite-based applications. With the addition of our premium service, ESS Prime, we also provide 24x7 engineering support and other technical services to support your integrated network infrastructure.

Comtech Xicom Technology
booth # 608
www.xicomtech.com

Comtech Xicom will be showcasing a broad array of SATCOM HPAs during the upcoming MILCOM 2014 event. The company's SATCOM HPAs feature increased power, smaller packages and touch screen controllers and the new products on booth provide an increase in linear power, in small packages, all with greater efficiency. These products are designed for transportable and fixed applications where size weight and power are critical factors in mission success.



LCD Touch Screen Controller

From SNG to military terminals, Xicom offers more power levels, more frequencies and more redundant and power combined configurations to meet your needs. In addition to industry-leading products, Xicom has the engineering depth to develop solutions to meet all requirements... plus, the systems are supported by a world-class service and support organization.

EM Solutions
booth # 661
www.emsolutions.com.au

EM Solutions is recognized for manufacturing technologically superior microwave modules and systems for next generation broadband satcom and terrestrial communications at frequencies from L-band to Ka-band (1 to 40 GHz) and beyond (now building radios in E-band 71 to 86GHz). It strives to offer differentiated microwave products that embed its unique IP, and are available on demand.

Since 1998, the company has produced integrated RF modules used in low noise receivers and solid state high power transmitters for defence and commercial customers around the world. These sophisticated components form the core subsystems used primarily in microwave terrestrial and satellite links, or in other applications such as radar, radio-astronomy, and remote sensing.

EM Solutions customer base includes many of the world's largest systems integrators and telecommunications companies. The company offers system-level design checking

and validation, and an RF performance guarantee. It is a Defence accredited supplier and is ISO-9001 certified.

Its most sophisticated and world-leading systems, such as its Ka-band satellite on the move terminal, Ku-band E1000 microwave radio link, are testament to the company's expertise in developing complex systems that also integrate multi-frequency antenna feeds, digital signal processing, filtering and demodulation, and firmware and mechanical control subsystems.



EM Solutions Satcom on the Move Ka-Band system

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Narda Test Solutions
@L-3 booth # 525
www.agfranz.com/narda-satellite/

Narda Test Solutions designs and manufactures highly sensitive signal analyzers for RF interference detection and monitoring (rack-mountable and portable).

At the MILCOM Show Narda Test Solutions will be showcasing the **Narda Remote Spectrum Analyzer NRA 6000**. The NRA is a 1RU rack mountable, high speed (12 GHz/sec), low-power fan-less test-equipment that can be and has been integrated and remotely controlled in various monitoring systems.



Narda NRA 6000

The wide bandwidth (9kHz-6GHz) of the NRA-6000 enables the operator to simultaneously monitor a variety of signals with up to 600,000 samples per sweep. The NRA-3000 model (9kHz-3GHz) is optimized for satellite signal interference monitoring and troubleshooting. The high-speed I/Q data streaming capability is ideally suited for signal identification and characterization. For further signal analysis and decryption the NRA has been integrated with the Krypto500 suite from COMINT Consulting.

The Narda RF signal analyzers are available in North America through A.G.Franz, LLC (www.agfranz.com)

Visit Satellite Markets and Research at MILCOM 2014 at booth # 451