



MILITARY

DATAPATH | MobiLink™ Technologies mSAT Series

ENHANCE SITUATIONAL AWARENESS WITH SATELLITE COTM

Advanced Comms On-the-Move capabilities today with reliable, proven MobiLink Technologies

Within the vision of network-centric warfare, comms on-the-move (COTM) plays a central role. COTM enables warfighters beyond the traditional edge of the network with on-the-move access to the military's most advanced communication and collaboration tools.

With COTM, you can access the latest intel while on the way to a mission objective and during the operation. Instead of relying on hours-old intel, you have live UAV video feeds, VTC, VoIP, SIPRNet access, and other advanced applications -- all while moving at 60-plus mph.

The result is battlefield superiority through the ability to communicate via voice, data and video -- no matter the terrain and distance from a military base -- while maintaining speed and battlefield maneuverability.

Enhance Mission Effectiveness

With a continuous, reliable satellite link while moving at high speed, you have the best intel available when you need it the most. Because you can stay moving in a MRAP, HMMWV, Stryker or other vehicle, you can continue to communicate while you attack and evade without pause. In addition, with a low-profile antenna COTM, you avoid becoming a stationary, highly visible command and control target for the enemy. Finally, with satellite connectivity you can go far, even in mountainous terrain, because as long as you can see the sky, you stay connected.

Proven, Cost-Effective, Flexible

Today, military units operating in Southwest Asia rely on proven DataPath MobiLink Technologies for comms on-the-move. MobiLink Technologies are available in a spectrum of sizes and capabilities, so DataPath can design a cost-effective solution to your requirements so that you can deploy COTM today.



DATAPATH[®]
Defy boundaries. Communicate anywhere.

mSAT-BOSS™

Complete Vehicle-Integrated Solution:

Satellite Communications on-the-Move with Wireless, Cellular, Land Mobile Radio and Video Capabilities

The mSAT-BOSS is a vehicle-based solution that includes a high-performance, low-profile COTM system as well as a full suite of peripheral communications systems and applications. The systems integrated in the vehicle are all easy to use and easy to set up, enabling anyone to quickly establish connectivity to communicate and coordinate.

The end-to-end communications vehicle system is ideal for emergency first responders, border patrol units, and specific military and intelligence purposes. The solution is designed to enable communications anywhere as an incident response communications hub or a mobile command and control center.

- Up to 2 Mbps SATCOM on-the-move capacity
- Cellular network connectivity
- Wireless secure mesh access point
- UHF land mobile radio
- Video teleconference camera
- IP and analog telephony
- GPS mapping software
- Surveillance camera



The DataPath mSAT-BOSS has a modular design that allows system customization tailored to meet specific communications requirements.

mSAT-C2V™

Flexible, Interchangeable System:

Compact, Self-Contained Satellite COTM System That Can Be Moved from One Vehicle to Another in Minutes

The mSAT-C2V is a highly portable and flexible low-profile COTM system. It reliably delivers high-bandwidth connectivity that enables live UAV video feeds, video-teleconferencing, secure Internet and e-mail access, voice over-IP communications and other robust capabilities while moving at high speeds.

The system is built to be installed in existing military platforms such as HMMWV, MRAP, Bradley or Stryker vehicles. With pre-installed mounts on different vehicles for the antenna, the system can be redeployed to a different vehicle depending on operational needs or due to vehicle damage.

- Low-profile COTM antenna weighs 64 lbs
- Up to 2 Mbps SATCOM on-the-move capacity
- Deployed in Iraq today
- Proven SIPRNet connectivity
- Operates reliably around military jammers
- Quickly reacquires satellite link
- Operates simultaneous VTC, VoIP, video feed, etc.



The DataPath mSAT-C2V is designed to be installed in existing military platforms such as the MRAP.

mSAT-XLT™

Ultracompact, Push-to-Talk System:

SINCGARS Tray-Mounted COTM System with
Crossband SATCOM/LMR Capability

The mSAT-XLT is our smallest COTM electronics package. It is designed for deployment in vehicles that have a SINCGARS tray. It can be easily removed and redeployed on any SINCGARS-compatible vehicle.

The system provides on-the-move connectivity that powers secure Internet, live video feed, VTC and other applications. In addition to satellite COTM, it enables cross-band connectivity to enable land mobile radio (LMR) users to utilize a SATCOM connection. The mSAT-XLT extends the COTM system to establish a robust, local LMR and wireless network for users in proximity to the COTM-enabled vehicle.

- Up to 1 Mbps SATCOM on-the-move capacity
- Cross-band links UHF/VHF LMR to SATCOM
- Voice over SATCOM operates like LMR push-to-talk
- Uses standard SINCGARS MT-6352 mount
- IP and analog telephony
- Integrated electronics and software in one package
- Embedded router enables EoIP



With a low profile, roof-mounted antenna, the DataPath mSAT-XLT mounts in a SINCGARS MT-6352 tray for a compact configuration.

Custom Solutions

DataPath specializes in designing solutions that meet your unique needs. We listen to you, examine your requirements and focus on understanding your specific operational goals. Having successfully deployed COTM systems that are operational on the battlefield today, we know how to ensure you have the capabilities you need.

Whatever your COTM initiative requires, we can design a system based on MobiLink Technologies that will give you the on-the-move connectivity to enable decisive command and control.

DataPath COTM systems have been deployed with the U.S. Army 10th Mountain Division and deployments are currently underway with other military units. In addition, our COTM solutions have been demonstrated in military exercises such as the U.S. Navy Seahawk exercise and the U.S. Army National Guard Patriot exercise.

- Deployed or demonstrated on MRAP, HMMWW and armored SUV.
- 100 percent lock on satellite throughout long convoys in Iraq.
- Reacquisition within two seconds after interference such as a tunnel.
- Reliable high-bandwidth uplink and downlink.
- Simultaneous use of SVoIP, live Predator UAV feed, Web conferencing session, video-teleconferencing and other applications, including SIPRNet-enabled laptop connectivity.
- Successful, repeated operation without data loss in the proximity of jammers during operations

COMPLEMENTARY SOLUTIONS AND SERVICES



SWE-DISH CCT120



SWE-DISH IPT Mil



MaxView M&C Software



SWE-DISH FA150 Fly-Away



Baseband Solutions



Support Services

About DataPath

DataPath® is a global integrator of satellite and wireless communications networks that deliver the power of robust applications anywhere in the world. We specialize in providing reliable and secure solutions to military, government, media and telecom network operators. Even in the most extreme conditions and demanding situations, we rapidly establish communications and optimize operation and control of networks. SWE DISH Satellite Systems AB, a Stockholm-based provider of mobile satellite communications systems, is a wholly owned subsidiary. DataPath is headquartered in Duluth, Ga., U.S.A. and operates via dozens of offices and field locations around the world.

For more information, visit www.datapath.com.

SATCOM & WIRELESS SOLUTIONS | GLOBAL SERVICES | MAXVIEW SOFTWARE | SWE-DISH TERMINALS

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