

# TELOS COMMS ON THE MOVE

Affordable, Emergency Response Communications

## Mobile, Everything over IP Wireless Network

Reliable communications are critical in an emergency situation. Telos' Comms on The Move (COTM) offers an Everything over IP mobile broadband solution with always-connected satellite backhaul.

Integrating mesh wireless networks, COTM provides video, data, and voice for both single and convoy vehicles. This solution provides high-speed broadband connectivity to vehicles moving up to 60 miles/hour.

The service provides channel speeds of 500 KB to 15 MB from the satellite to the vehicle, 120 KB-2 MB from vehicle to satellite, and 802.11b/g connectivity between vehicles. Typical speeds are 1 MB to receive and 512 KB transmit.

Telos' COTM solution provides real time support for a full range of IP applications including data, voice over wireless IP, two-way video surveillance, mesh wireless radar, ground based sensor monitoring/response, coordination tools, and force tracking logistics capabilities.

The solution is based on an innovative phased array technology that allows for Ku-band connectivity, including inclined orbit satellites. A wireless mesh backbone architecture connects the satellite antenna to a wide array of IP-based communications solutions.

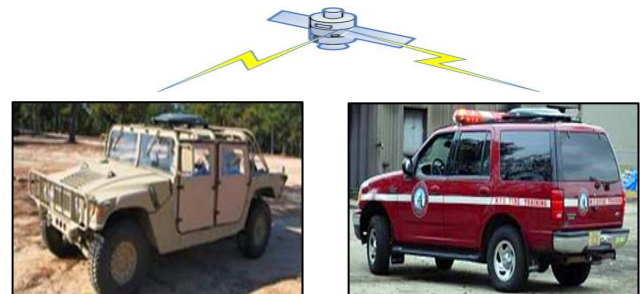
Telos offers the leading Everything over IP mobile solution for the most competitive price. COTM equips first responders with a secure, mobile, and reliable network solution.



*\*Comms on the Move is designed for **Emergency Situations***

## TELOS COMMS ON THE MOVE

FEATURES	BENEFITS
<ul style="list-style-type: none"> <li>Phase Array Satellite Antenna</li> </ul>	<ul style="list-style-type: none"> <li>Provides worldwide on-the-move high bandwidth Internet and backhaul connectivity</li> </ul>
<ul style="list-style-type: none"> <li>Mesh Wifi</li> </ul>	<ul style="list-style-type: none"> <li>Enables wireless hotspot connectivity with the vehicle, connects multiple convoy vehicles into a single moving network, and provides instant WLAN setup</li> </ul>
<ul style="list-style-type: none"> <li>Everything Over IP</li> </ul>	<ul style="list-style-type: none"> <li>Provides interoperable Data, Voice, and Video</li> </ul>
<ul style="list-style-type: none"> <li>IP Based Options</li> </ul>	<ul style="list-style-type: none"> <li>Provides easily expandable capabilities for RF Radio Interoperability, Video Surveillance, and sensor management</li> </ul>



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## CAPABILITIES

### Always connected, satellite communications

- KU Band, 1 MB Receive, 512 KB Transmit
- Low profile, Roof Mount

### Mesh WiFi

- Connecting multiple vehicles in a convoy
- Creating an instant, ad-hoc network at the halt

### Video over IP

- Video feeds through SatCom antenna
- Video surveillance through WiFi-based cameras

### Voice over WiFi

- IP Based phone capability on the move
- Immediate scalability of voice communications at the halt

### RF Radio Interoperability

- Connect RF radio communications from disparate frequency systems through the IP Based Network
- Anyone can talk to anyone in this network – including WiFi VoIP phones

**Options available for audio/video collaboration, sensors, and asset tracking**

## TELOS COTM ARCHITECTURE

