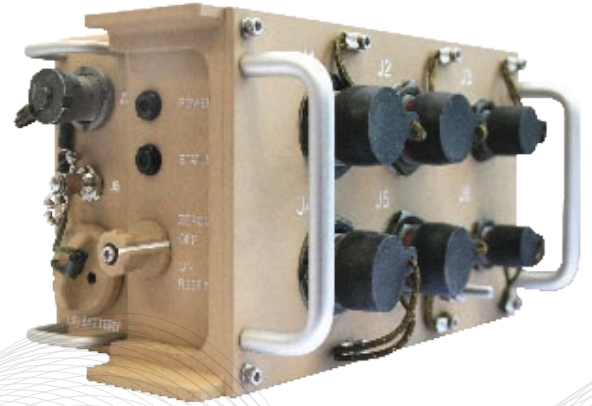


GPS Message Router



The company that listens to the warfighter and delivers.



Upgraded GMR Configuration



The **GPS Message Router (GMR)** is part of the airborne connectivity system that provides the interface between the Air Warrior Electronic Digital Manager (EDM), the aircraft-mounted GPS antenna and the Blue Force Tracking (BFT) transceiver and Pallet.

The **GMR** also acts as a hub between the EDM and various other situational awareness devices by using standard Ethernet and serial protocols.

The **GMR** allows a user to interconnect multiple devices in a cockpit or land vehicle with minimal effort. GPS information can be received from multiple external sources, including: GPS information/data provided from an external source (i.e. PLGR, DAGR, etc.) or GPS information/data provided from an embedded commercial or GFE military GPS receiver card. The **GMR** provides up to 6 x Ethernet, 3 x Serial, 1 x Coaxial (External Antenna), 1 x Fill Port (MIL-DTL-55116), and 1 x USB connections for units that support those protocols.

The **GMR** is a compact replacement for the previous generation MicroRouter solution. The **GMR** reduces the number of boxes needed to route information between situational awareness units by combining the GPS receiver, Ethernet, Serial and USB hubs into one box.

The rugged **GMR** is made from durable aluminum alloy and is designed to meet MIL-STD-461E, MIL-STD-810F, and MIL-STD-704 requirements.

GPS Message Router

Specifications

FEATURES

Mechanical	Desert Tan or Olive Drab, Aluminum Alloy case
Weight	Less than 6 lbs.
Dimensions	8.7" x 5" x 5.4"
CPU	1.6 GHz Intel® Atom™ Processor with thermal and power management technology
Memory	1GB SDRAM
Storage	Up to 2GB Compact Flash (MIL-STD-704)
Power	+28VDC input power
System I/O	6 x Ethernet (10/100 Base-T) 3 x RS232 / RS422 1 x USB 2.0 1 x Fill Port (MIL-DTL-55116) 1 x Coaxial (External GPS Antenna)
OS	LINUX Based Operating System
GPS	Commercial GPS Module or GFE Military GPS Module

ENVIRONMENTAL

Temperature	-50°C to +70°C (operating) -60°C to +85°C (non-operating)
Humidity	95% non-condensing
Altitude	20,000 ft (operating) 50,000 ft (non-operating)
Vibration	MIL-STD-810F (tailored)
EMI	MIL-STD-461E (tailored)
Power	MIL-STD-704



Encrypted key information can be uploaded to the GMR through a fill connector on the GPS module



Ethernet, Serial, and USB connections can be shared across multiple units by using the GMR



The GMR incorporates three previously separate modules (GPS, Ethernet hub and micro router) into one convenient solution

For more information on our rugged products, please visit:

www.securecomm.com

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