



MOBILE GATEWAY NEO M

Mission-Critical Multi-User Communications. Anywhere.

Enhanced Voip And Push-To-Talk Functionalities

Mobile Gateway NEO M turns any NEO satellite terminal into a secure, multi-user communications hub, delivering voice, IP data, and push-to-talk for teams operating in the most demanding environments. Designed for land, sea, and mobile deployments, it enables rapid setup and dependable communications wherever terrestrial networks are unavailable. With an electronically steered, no-moving-parts design and IP68 ruggedisation, Mobile Gateway NEO M maintains reliable connectivity while assets are on the move, making it ideal for vehicles, vessels, and rapidly deployed field sites.

Built for Mission-Critical Mobility

At the core of the NEO ecosystem, Mobile Gateway NEO M extends connectivity from a single satellite terminal to multiple users and devices. Its auto-tracking capability ensures stable links during movement, while its hardened enclosure protects operations against salt spray, dust, heat, and immersion. Compact, PoE-enabled, and GNSS-integrated, the gateway supports fast, clean installations and seamless operation across changing environments. Enabled by the next-generation Thuraya-4 network, it delivers consistent performance for operation-critical missions.

Unified Communications. Hardened by Design

By combining routing, voice services, push-to-talk, WiFi access, and power delivery into one rugged platform, Mobile Gateway NEO M simplifies system architecture and accelerates deployment. Teams benefit from a single, secure communications backbone that supports coordination, situational awareness, and real-time decision-making. Built on a high-performance platform with support for encryption, video compression, and smart applications, it is designed to scale with mission demands while maintaining full operational control.

Product Features



Multi-User Communications Hub

Extends a single NEO satellite terminal to support shared voice, data, and PTT services.



Electronically Steered Auto-Tracking

Maintains stable satellite lock during movement with no mechanical wear or moving parts.



Extreme Ruggedisation

IP68-rated and MIL-STD compliant for reliable operation in harsh land and maritime environments.



Rapid Deployment Anywhere

Compact, PoE-enabled design enables fast setup for vehicles, vessels, and temporary sites.



Advanced Voice & Push-to-Talk

Supports enhanced VoIP and PRISM PTT+ for coordinated mission-critical communications.



NEO Ecosystem Compatibility

Works seamlessly with IP NEO M, Commander NEO, and Orion NEO terminals.



Mission-Critical Multi-User Communications. Anywhere.



Plug-and-Operate PoE Deployment

Enables fast, clean installations with minimal cabling, allowing teams to activate communications quickly in vehicles, vessels, and temporary sites.



GNSS-Enabled Situational Awareness

Uses integrated GNSS positioning to support location-aware operations across land, sea, and mobile environments.

Product Specifications

Dimensions	65 / 166 / 326 mm (H/D/W)
Weight	2.7 kg
Power	DC input range 12 or 24 VDC
	PoE input PoE (802.3bt Type 3 Class 6 via RJ45)
	PoE output PoE (802.3at Type 1 Class 2 via RJ45)
	Power consumption Max. 172W with all outputs loaded
Environmental conditions	Temperature Operational (ambient): -21 to +55°C Storage: -21°C to +50°C
	Water and dust: IP55 Compliant
	MIL-STD-810G: Method 503.6 (Temperature shock) Method 505.6 (Solar Radiation) Method 506.6 (Rain) Method 507.6 (Humidity) Method 509.6 (Salt fog) Method 510.6 (Sand and Dust) Method 512.6 (Immersion) Method 516.7 (Drop) Method 524.1 (Freeze/Thaw)
	EMI/EMC: MIL-STD-461H

WLAN Access Point 802.11 b/g/n/ac
5x Ethernet Ports
• 2 x RJ45 (PoE 802.3AT Type 1) (Power & Connection - e.g. IP Handset)
• 2 x RJ45 (Standard LAN)
• 1 x RJ45 (PoE 802.3BT Type 3) (Power & Connection - satellite terminal)
USB Connector: USB 3.0
Phone Connector: RJ11
Serial Connector: D-Sub 9
I/O Connector: 4 Pins (for E&M)
User interface: 1 LED (Status), Power Button