



ENHANCED VOIP AND PUSH-TO-TALK FUNCTIONALITIES

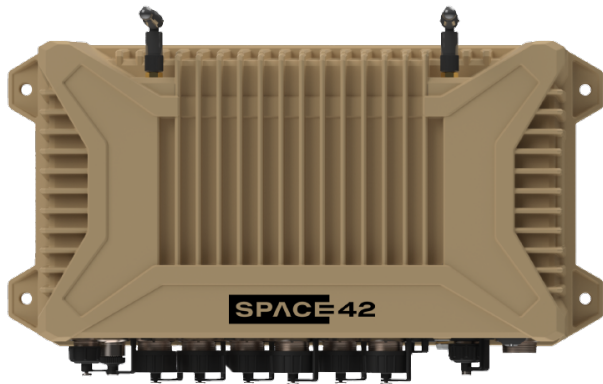
Transforms connectivity: turns any NEO satellite terminal into a multi-user communications hub with advanced voice, data, and PTT capabilities.

Mission-critical reliability: Mil-spec ruggedness, secure, and optimized for satellite conditions, ensuring seamless operations across land, sea, and mobile environments.

Advanced intelligence built-in: powered by a high-performance platform supporting encryption, video compression, and smart applications for demanding missions.



MOBILE GATEWAY NEO M



A ruggedized satellite router with advanced PTT and VoIP capabilities

Turns a NEO L-band satellite antenna into a multi-user device

Voice-over-IP technologies optimized for use under satellite link conditions

Works seamlessly with the IP NEO M (Portable/Fixed), Commander NEO (Land Mobile), and the Orion NEO (Maritime) satellite terminals

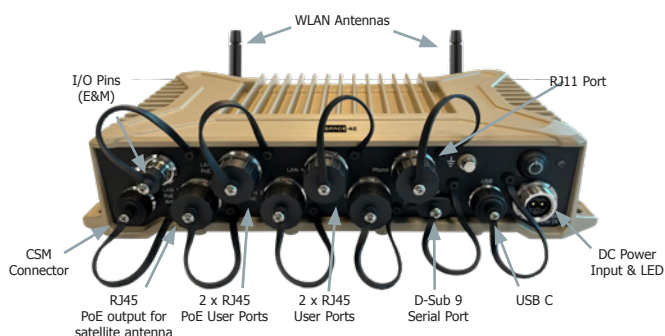
Robust IP68 rating with durable screw connectors

Advanced router functionalities

The Mobile Gateway NEO M is an advanced IP-based data communications device. It is based on a powerful ARM processor and an open source Linux platform supporting a variety of software applications such as video compression, 3rd party encryption, email clients etc.

Mobile Gateway NEO M features unique PRISM PTT+ technology supporting satellite/LTE/LAN and Maritime/Land Mobile Radio integration.

Router:	NAT Router, DHCP, PPPoE, SIP Server, Network Mgmt, Remote Mgmt, Webserver
Security:	256-bit AES, Password Protected Admin Control, Over-the-air Factory Reset.
IP Traffic:	Supports IP, TCP and UDP and more



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: IP68 Compliant (submersible)

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

Interfaces

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