



IPNEOM

ENHANCED VOIP, VoLTE AND PUSH-TO-TALK FUNCTIONALITIES

Redefining battlefield connectivity: delivers a new era of Mil-tested, portable, military-grade satellite communications with unmatched speed, reliability, and security.

Mission-ready anywhere: built tough with a rugged, compact design, ensuring troops stay connected even in the harshest terrains and conditions.

From setup to signal, fast: quick-start design delivers instant, secure communications in the field.



IP NEO M

Specifications

Dimensions (H/W/D): 225 / 225 / 61.5 mm

Weight (incl. battery): 2.2 KG

Data Capabilities

> 5° elevation: Up to 1024 kbps (Rx / Tx)

Voice: Standard VoIP
Embedded SIP Server
PPT Push-To-Talk

Frequency Range:

Tx (MHz) 1626.5 - 1660.5 and 1668 - 1675
Rx (MHz) 1518.0 - 1559.0

GNSS: GPS, Galileo, Beidou, Glonass

Languages: EN, AR, FR, PR, ES, RU, JP, CN

Approval: CE, RED, RoHS, WEEE,
FCC, UL, RCM
Thuraya Type Approval

Power

DC input range: 12 - 24 VDC (max. 10.8 - 33.6 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:

Standby / Transmit: 4.5W / 22W (typical)
During charging: 75W (max.)

AC/DC power supply:

Input: 100-240 VAC, 47-63Hz, 64W
Output: 19 VDC

Built-in Battery: Lithium ion (rechargeable)

Nom. voltage / capacity: 10.8 V / 6.9 Ah

Stand-by time: Up to 38 hours

Receive: Up to 4 hours @ 1024 Kbps

Transmit: Up to 3 hours @ 1024 Kbps

Recharge time: < 3 hours (0-100%)

Charge temperature: 0°C to 45°C

Environmental conditions

Temperature

Operational: -25°C to +55°C (ambient)
Storage: -40°C to +85°C

Water and dust: IP68

MIL-STD-810G:

Temperature shock, solar radiation, rain, humidity, salt, fog, sand and dust, immersion, drop, freeze/thaw.

EMI/EMC: MIL-STD-461H

Interfaces

WLAN Access Point: 802.11 b/g/n/ac

Ethernet Ports: 1 x RJ45 (PoE input for ext. power)
1 x RJ45 (PoE output IP Handset)
1 x RJ45

USB Port: 1 x USB-C

User interface:

2 x LED (Status and WLAN), Power Button,
Reset Button, Web Interface

Other features

Space42 Connect App: (Available for Android / IOS):
Control your IP NEO with your Smartphone

Set-up and Router Functionality:

Webserver, NAT Router, Admin control
(password protected), DHCP, Network Management,
Remote Management, PPPoE

Package

- IP NEO M Terminal with embedded Lithium-Ion Battery
- Quick Start Guide
- Power Cable, 3m open-ended
- Ethernet Cable

Accessories

- 408052A-24/12 :009V DC cable, 3m open-ended
- 403650B-923: vPole Mount
- 408012A-42000: Space42 IP Handset
- 408016A-42000: Space42 Battery Pack
- 408016A-010: Space42 42 Battery Pack Extension Cable, 4m
- 408052A-42000: Space42 Mobile Gateway M NEO
- 408020A-941: IP NEO PoE Cable with RJ-45 screw connectors, 4m
- 408020A-943 IP NEO PoE Cable with RJ-45 screw connectors, 15m

