

**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)

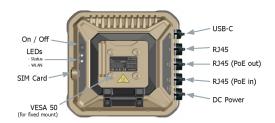
Nom. voltage / capacity: 10.8 V / 6.9 Ah Stand-by time: Up to 38 hours

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