

Thuraya IP NEO C

High-Performing, Ultra-Portable Satellite Terminal

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Connecting the future

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Setting new standards

Thuraya IP NEO C is a compact satellite terminal engineered to function on Thuraya's L-band satellite network.

The terminal is designed for the upcoming Thuraya T4-NGS satellite from Space42 offering significantly higher throughput than current L-band constellations. With speeds at 1024 kbps from a single terminal, the IP NEO represents a new era for portable L-band satellite terminals by setting new standards for size, performance and reliability.

The durable magnesium casing and a dust and water resistant design makes it the perfect choice when working off the beaten track, but still dependant on a reliable connection.

Groundbreaking performance

The IP NEO offers the fastest broadband data speeds available for a portable satellite terminal of its size, ensuring reliable connectivity from any location within the Thuraya satellite footprint.

The terminal can operate over the upcoming Thuraya T4-NGS satellite, supporting speeds at 1 mbps. It is backward compatible with existing Thuraya 2 and 3 satellites, delivering IP data at 444 kbps.

Designed for any environment

The terminal is a compact and rugged satellite antenna designed to provide reliable and secure IP data even in the harshest of environments. At 22.5 x 22.5 cm and just 2.1 kg, it is a small and light satellite terminal providing internet from backpack in seconds.

Broadband satellite connectivity made simple

The terminal is easy to setup and to operate. The user interface is intuitive and can be accessed from a PC or smart device.

The antenna features easy satellite pointing, using audio pointing aid and can be easily deployed in a matter of minutes.

With Thuraya Connect App for Android and IOS you can use your smart device to make calls or easily access the internet even in areas with no terrestrial or cellular coverage.

System features

- Type approved for the Thuraya L-Band network
- Lightweight and rugged IP55 design ensures durability
- Simple to set up and to operate
- Versatile power options with both Power over Ethernet (PoE) and 12 - 24 VDC input
- Supports Space42 eSIM and USIM
- Integrated antenna and transceiver
- Robust connectors with screw threads
- Optional pole mount solution (VESA 50)
- AES-256 Encryption

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Thuraya IP NEO C

High-Speed, Ultra-Portable Satellite Antenna

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Specifications

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

Weight (incl. battery): 2.1 kg

Data Capabilities (Thuraya 4-NGS satellite):

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

Data Capabilities (Thuraya 2 / Thuraya 3 satellites):

> 5° elevation: Up to 444 kbps (Rx / TX)

Voice

Voice (Thuraya 4-NGS): Standard VoIP, Embedded SIP Server

Thuraya Frequencies:

Tx (MHz) 1626.5 - 1660.5

Rx (MHz) 1525.0 - 1559.0

GNSS: GPS, Galileo, Beidou, Glonass

Languages: ENG, AR, FR, POR, ES, RU, JP, CN

Approvals: 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 5 hours @ 1024 Kbps*

Transmit: Up to 3 hours @ 1024 Kbps*

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

Charge temperature: 0°C to 45°C

* On Thuraya 4-NGS

Environmental conditions

Temperature

Operational (ambient): -21°C to +55°C

Storage: -21°C to +50°C

Water and dust: IP55 Compliant

Interfaces

WLAN Access Point 802.11 b/g/n/ac

2 x Ethernet Ports: 1 x RJ45 (PoE input for ext. power)

1 x RJ45 (PoE output IP Handset)

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

Other features

Thuraya 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 C Terminal with embedded Lithium-Ion Battery
- AC/DC Power Supply, Euro Power Cord, EU to UK Converter
- Quick Start Guide
- Ethernet Cable

Accessories

- 408050A-009: 12/24V DC cable, 3m open-ended
- 403650B-923: Pole Mount
- 408020A-941: PoE cable with screw connectors, 4m
- 408020A-943: PoE cable with screw connectors, 15m



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