

# THURAYA

SPACE 42

IP NEO C



## REVOLUTIONIZING CONNECTIVITY WITH CUTTING-EDGE SATELLITE TECHNOLOGY

In a world of instant communication, where speed is paramount and essential, emerges a new revolutionary way to connect: IP NEO.

Based on the renowned and robust Cobham hardware platform, the IP NEO is primed for next-gen capabilities, ensuring a higher throughput that is ideal for 3rd party applications such as VoIP and video conferencing solutions. It also includes a Wi-Fi hotspot to connect easily from any device to satellite.

Government agencies, Oil and Gas companies, NGOs, and relief organizations, explorers, trekkers, climbers and remote-area adventure seekers can use IP NEO to ensure reliable

communication even in the most challenging environments.

IP NEO will empower industries by enabling efficient operations and real-time monitoring, no matter where they are.

Healthcare providers, e-learning specialists, and media professionals can leverage IP NEO to break barriers, bringing essential services, education, and news coverage to every corner of the globe.

Be a part of the revolution in empowering industries and transforming lives.

## Features

High-performing, portable terminal for the Thuraya Satellite Network

### Ideal combination of size and performance

- Portable and battery-operated. Weighs only 2.2 kg
- High-quality internet access

### Robust and durable satellite terminal fit for purpose

- IP55-rated magnesium casing with screw-on connectors.
- Easy to point, set up and operate. From backpack to internet in seconds including Wi-Fi to any device

### Versatile and user-friendly

- Easy access from smart devices with Thuraya Connect App (Available on Google Play and iOS App Store)
- IP Handset POE port
- LAN Port
- Pole mount or Tabletop Stand options

### Supported applications

- ISR, C2, IoT / M2M, Security and perimeter monitoring and control, Remote office, Video conferencing and Video transmission, eLearning, Telemedicine

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### HIGH-SPEED, ULTRA-PORTABLE SATELLITE TERMINAL

#### SPECIFICATIONS

|  |  |
|--|--|
| <b>Dimensions (H/W/D):</b>                                   | 225 / 225 / 61.5 mm  |
| <b>Weight (incl. battery):</b>                               | 2.2 kg   |
| <b>Data Capabilities (Thuraya 4-NGS satellite):</b>          |  |
| > 5° elevation:  | Up to 1024 kbps (Rx / Tx)                                  |
| <b>Data Capabilities (Thuraya 2 / Thuraya 3 satellites):</b> |  |
| > 5° elevation:  | Up to 444 kbps (Rx / TX)                                   |
| <b>Voice</b>   |  |
| <b>Voice (Thuraya 4-NGS):</b>                                | Standard VoIP, Embedded SIP Server                         |
| <b>Thuraya Frequencies:</b>                                  |  |
| Tx (MHz)   | 1626.5 - 1660.5  |
| Rx (MHz)   | 1525.0 - 1559.0  |
| <b>GNSS:</b>   | GPS, Galileo, Beidou, Glonass                              |
| <b>Languages:</b>  | ENG, AR, FR, POR, ES, RU, JP, CN                           |
| <b>Approvals:</b>  | CE, RED, RoHS, WEEE, FCC, UL, RCM<br>Thuraya Type Approval |

#### POWER

|                           |                                       |
|---------------------------|---------------------------------------|
| <b>DC input range :</b>   | 12 - 24 VDC (max. 10.8 - 33.6 VDC)    |
| <b>PoE input:</b>         | PoE (802.3bt Type 3 Class 6 via RJ45) |
| <b>PoE output:</b>        | PoE (802.3at Type 1 Class 2 via RJ45) |
| <b>Power consumption</b>  |                                       |
| Standby / transmit:       | 4.5W / 22W (typical)                  |
| During charging:          | 75W (max.)                            |
| <b>AC/DC power supply</b> |                                       |
| Input:                    | 100-240 VAC, 47-63Hz, 64W             |
| Output:                   | 19 VDC                                |
| <b>Built-in Battery:</b>  | 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 2 hours @ 1024 Kbps             |
| Recharge time:            | < 3 hours (0-100%)                    |
| Charge temperature:       | 0°C to 45°C                           |

\* On Thuraya 4-NGS

#### ENVIRONMENTAL CONDITIONS

|                        |                |
|------------------------|----------------|
| <b>Temperature</b>     |                |
| Operational (ambient): | -21°C to +55°C |
| Storage:               | -21°C to +50°C |
| <b>Water and dust:</b> | IP55 Compliant |

#### INTERFACES

|                            |   |
|----------------------------|---|
| <b>WLAN Access Point</b>   | 802.11 b/g/n/ac   |
| <b>2 x Ethernet Ports:</b> | 1 x RJ45 (PoE input for ext. power)<br>1 x RJ45 (PoE output IP Handset) |
| <b>User interface:</b>     | 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



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