

Voyager NEO

High-Speed Satellite Antenna for Comms-On-The-Move

Product Sheet

COBHAM
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Connecting the future



Setting new standards

Voyager NEO is a compact satellite system for voice and data communication on-the-move. The one-piece system consists of a combined transceiver with integrated wifi and a switched-beam antenna with no moving parts.

The terminal is designed for the Thuraya T4-NGS satellite from Space42 offering significantly higher throughput than today. With speeds at 1024 kbps from a vehicular terminal, the Voyager NEO represents a new era for on-the-move L-band satellite terminals.

Whether you are engaged in humanitarian operations, cargo or rail transportation, telemedicine or emergency services, you need easy deployable communication equipment you can always rely on - regardless of time or place.

Instant communication

Simply place the antenna on the roof - it is easily mounted with optional magnetic mounts - power it up and connect it to your phone or using the integrated WiFi and turn the vehicle into a mobile communication hub.

Groundbreaking speeds

With speeds at 1 mbps on the Thuraya 4-NGS satellite, the Voyager NEO provides the fastest on-the-move broadband IP speeds for a satellite broadband antenna of its size — ready for connection in any location covered under Thuraya's satellite network.



Voyager NEO with hybrid power and ethernet cable

No moving parts

The beam-switching antenna is compact and lightweight (just 4.8 kg) with no moving parts. It is robust and designed for communication on-the-move on vehicles and trains in even the harshest environments.

Broadband satellite connectivity made simple

Voyager NEO is easy to set-up and to operate. The user interface is intuitive and can be accessed from a PC or any kind of smart device.

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

System features

- Type Approved for the Thuraya L-Band network
- Robust weatherproof IP68 design ensures durability
- Simple to set up and operate
- Built-in WLAN Access Point
- Versatile power options with both Power over Ethernet (PoE) and 12 - 24 VDC input
- Supports Space42 eSIM and USIM
- Integrated antenna and transceiver (satellite modem)

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Specifications

Dimensions:

Height:	117 mm (incl. spacers)
Width:	Ø32.1 cm

Weight: 4.8 kg

Data Capabilities:

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

Voice: Standard VoIP, Embedded SIP Server

Satellite frequency range:

Rx	1518.0 - 1559.0 MHz
Tx	1626.5 - 1660.5 MHz, 1668.0 - 1675.0 MHz

EIRP 14.1 dBW [+2.5 / - 3.0 dB]

Isotropic Gain: 10.5 dBi

GNSS: GPS, Galileo, Beidou, Glonass

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

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

Environmental conditions

Temperature

Operational (ambient):	-25 to +55°C at min. 1m/s windload
Storage:	-40°C to +85°C

Relative humidity: MIL-STD-810G, Test method 507.6

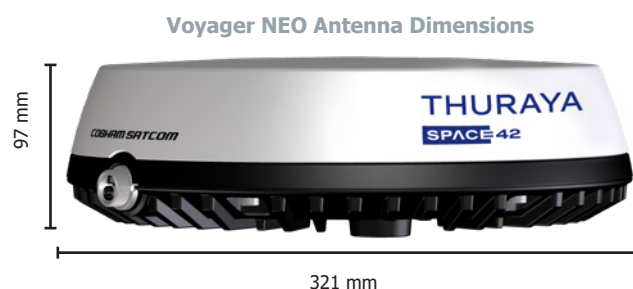
EMI/EMC: EN 301489-01, EN 301489-17,
EN 301489-19

Water and dust: IP68

Power

DC input range: 12 - 24 VDC (Max. 10.8 to 32 VDC)

Power (max): 70W (@10.5 - 32V)



THURAYA
SPACE 42

Interfaces

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

Ethernet: 10 / 100 / 1000 mbps

Combined DC power and Ethernet connector:

Combined connector providing DC power input, ignition and Ethernet (PoE 802.3bt Type 3) connectivity. Hybrid cable wiring: Power 2, Ignition 1, Ethernet 4 + 1 (shield)

User interface: One LED (Status), Web Interface, Reset Button, SIM card connector

Other features

Thuraya Connect App (Available for Android / IOS):

Turns a Smartphone into a Satphone.

Set-up and Router Functionality:

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

Mobile Gateway:

Ruggedized satellite router with advanced PTT and VoIP capabilities

Package

- Voyager NEO Terminal with 3 cm spacers
- Quick Start Guide
- 6m hybrid DC power and Ethernet cable (open ended)
- 1 cm spacers

Accessories

- 408030A-009: Magnetic Mount Kit for NEO terminals
- 403706B-050: Connection Box
- 408030A-931: Hybrid DC / Ethernet cable, 6m open-ended
- 408030A-941: PoE connection cable (Cat6A), 6m open ended
- 408030A-945: PoE connection cable (Cat6A), 25m open ended
- 408030A-948: PoE connection cable (Cat6A), 50m open ended
- 408050A-42000: Mobile Gateway NEO C
- 408030A-935: Hybrid DC/Ethernet connection cable (25m open ended)

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