



Thuraya Commander NEO

High-Speed, On-the-Move Satellite Broadband for Vehicles and Rail

On-the-Move Broadband Connectivity

Thuraya Commander NEO is a low-profile, on-the-move L-band satellite terminal delivering secure broadband for vehicles, trains, and mobile platforms. Designed for continuous operation while moving, it provides up to 1024 kbps IP data and clear VoIP communications without relying on cellular networks. Powered by the next-generation Thuraya-4 satellite, it keeps teams connected across long routes, remote corridors, and challenging terrain where mobility is mission-critical.

Built for Mission-Ready Mobility

Commander NEO is engineered for reliable connectivity across deserts, mountains, rail corridors, and rugged road networks. Its solid-state design with no moving parts eliminates mechanical wear, while MIL-grade hardening protects performance against vibration, dust, rain, heat, and salt fog. The compact footprint and vehicle-ready power interfaces enable easy integration into fleets, trains, and mobile command platforms.

Instant Mobile Communications Hub

By combining IP data, VoIP, Wi-Fi access, and routing in a single terminal, Commander NEO transforms any vehicle or rail platform into a secure communications hub within minutes. Teams gain real-time connectivity for command, coordination, and situational awareness without setup delays or fragmented systems. Integrated networking and remote management simplify deployment and ongoing operations across distributed fleets.

Product Features



On-the-Move Broadband Connectivity

Maintains continuous L-band connectivity while vehicles or trains are in motion.



Powered by Thuraya-4

Delivers up to 1024 kbps throughput with reliable performance at low elevation angles.



Solid-State, No Moving Parts

Electronically steered design ensures durability, reliability, and minimal maintenance.



Ruggedised for Extreme Environments

IP68 and MIL-STD certified to withstand dust, rain, vibration, heat, and salt fog.



Integrated Communications Stack

Combines IP data, VoIP, Wi-Fi access point, and routing in one compact unit.



Vehicle-Ready Installation

Low-profile dome with flexible mounting and hybrid power connectivity for clean installs.



Product Specifications

Dimensions	Height: 11.7 cm (with 3 cm spacers) Width: Ø 32.1 cm
Weight	4.8 kg
Data Capabilities > 5° elevation:	Up to 1024 kbps (Rx / Tx)
Voice	Standard VoIP Embedded SIP Server PPT Push-To-Talk with Mobile Neo M
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, DE, ES, RU, JP, CN
Approval	CE, RED, RoHS, WEEE, FCC, UL, RCM Thuraya Type Approval
Environmental Conditions	
Temperature	
Operational	-25°C to +55°C (ambient)
Storage	-40°C to +85°C
Water and dust	IP68
MIL-STD-810G	Method 503.6 (Temperature shock) Method 505.6 (Solar Radiation) Method 506.6 (Rain) Method 507.6 (Humidity) Method 509.6 (Salt Fog) Method 510.6 (Sand and Dust) Method 512.6 (Immersion) Method 516.7 (Drop) Method 524.1 (Freeze/Thaw)
EMI/EMC:	MIL-STD-461H

Power	
DC input range	12 - 24 VDC (Max. 10.8 to 32 VDC)
Power (max)	70W (@10.5 - 32V)
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.
User Interface	One LED (Status), Web Interface, Reset Button, SIM card connector
Other Features	
Space42 Connect App	Turns a Smartphone into a Satphone. Available for Android / IOS
Set-up and Router Functionality	Webserver, NAT Router, Admin control (password protected), DHCP, Network Management, Remote Management, PPPoE
Package	
<ul style="list-style-type: none"> Commander NEO Terminal with 3cm spacers Quick Start Guide 6m hybrid DC power and Ethernet cable (open-ended) 	
Accessories	
<ul style="list-style-type: none"> Connection Box for NEO PoE Cable Connection cable (Cat5e), 6m PoE Cable Connection cable (Cat5e), 15m open-ended PoE Cable Connection cable (Cat5e), 25m open-ended PoE Cable Connection cable (Cat5e), 50m open-ended Hybrid DC/ethernet connection cable (6m open-ended) Hybrid DC/ethernet connection cable (25m open-ended) Magnetic Mount Kit 	