



L-BAND

ORION NEO EDGE

INTELLIGENT BUSINESS CONTINUITY

Orion NEO EDGE is IEC Telecom's intelligent business continuity solution, developed with Space42, that keeps critical offshore operations connected at all times. Powered by Thuraya-4 NGS, it combines over 1 Mbps L-band connectivity with emergency voice and tracking via Thuraya MarineStar. The intelligence behind the connection is what sets it apart. IEC Telecom's OptiView ecosystem automatically orchestrates bandwidth according to application priorities and business policies, maximising network capacity utilisation by up to 30%.

From core business applications, video conferencing to real-time remote troubleshooting, Orion NEO EDGE transforms Lband from a conventional emergency back-up into an intelligent co-pilot for digital operations. Cybersecure by design, Orion NEO EDGE comes with flexible monthly plans and 24/7 engineering support.



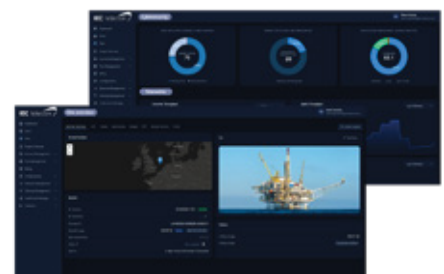
1 Mbps data over Orion NEO

A dependable L-band data link over Thuraya-4 NGS, with quasi-global coverage, independent of your main network. Compact and low power, it fits vessels and sites that cannot carry a second large antenna.



Voice & tracking over MarineStar

Two voice lines for corporate and crew calls as well as two-way vessel tracking with geofencing and SOS alerts. Your crew can always contact the shore and your fleet stays visible, even when the main network is down.



Network orchestration over OptiView

In an outage, OptiView switches traffic to the back-up link and gives missioncritical applications priority, based on pre-defined policies. This improves Lband capacity utilisation by up to 30%.

SPECIFICATIONS

ORION NEO

Network: Thuraya-4 NGS, L-band

Speed: Up to 1,024 kbps Tx/Rx (above 50° elevation)

Voice: Standard VoIP, embedded SIP server, PTT with Mobile Gateway Neo

Interfaces: Wi-Fi 802.11 b/g/n/ac, Gigabit Ethernet, PoE

GNSS: GPS, Galileo, BeiDou, GLONASS

Power: 12–24 VDC, 70 W max

Weight: 4.8 kg (antenna)

Size: Ø 321 × 97 mm

Operating temperature: –25°C to +55°C

Rugged: IP68, MIL-STD-810G

MARINESTAR

Voice: Circuit-switched voice

Key features: Advanced two-way vessel tracking with application monitoring, geofencing, SOS notifications, SMS, GmPRS (externally via interface)

Interfaces: RS-232 serial, NMEA, RJ-11 analogue extension, GPIO (2 in, 2 out), 3.5 mm audio output, SIM slot

Power: 10.8–31.5 VDC, 3.6 A max at 12 VDC

Weight: 1.30 kg (ADU), 1.07 kg (BDU)

Size: 185 × 177 mm (ADU), 203 × 190 × 72.7 mm (BDU)

Operating temperature: –25°C to +55°C (ADU), –15°C to +55°C (BDU)

OPTIVIEW

Orchestration: Application-aware routing, automated policy enforcement and automatic failover to Orion NEO and back

OptiShield: Firewall, filtering, network segmentation, threat monitoring

Monitoring: Real-time link status and failover log

Consumption: Usage per link, per user, per application

Alerts: Email and dashboard

Control: QoS, bandwidth allocation, individual login

Reporting: Web-based, multi-site and multi-vessel

SOLUTION HIGHLIGHTS



Business Continuity Over 1 Mbps

Video calls, remote troubleshooting, and file exchange keep running with over 1 Mbps on Thuraya-4 NGS across 100+ countries.



Intelligent Orchestration

OptiView routes traffic by priority, improving L-band capacity utilisation by up to 30% without extra bandwidth investment.



Emergency Voice, Circuit-Switched Line

MarineStar's circuit-switched voice line works independently of IP data, so safety and emergency calls get through even when data services are down.



Cybersecurity for your Network

Advanced threat protection, secure VPN remote access, data loss prevention, antiexploitation, web filtering and SaaS control.



Easy Installation

Compact, lightweight terminals fit easily on smaller vessels, including OSVs and tugboats.



24/7 Support

IEC Telecom's NOC watches your links around the clock and responds before incidents affect operations.

USE CASES



Offshore Rigs



Offshore support Vessels



Merchant Shipping



Fishing Fleets