



HYPHAONE MINI

HIGH-SPEED CONNECTIVITY FOR COMPREHENSIVE FLEET MANAGEMENT

HyphaOne Mini is a compact, turnkey connectivity solution that transforms any vessel into a fully digitalised hub. Combining dual-mode Starlink satellite and cellular networks, it delivers high-speed, reliable communication at sea. Purpose-built for smaller vessels, it enables seamless data exchange, real-time coordination, and situational awareness on the move. Equipped with advanced GPS tracking and comprehensive tools for remote network monitoring and control, HyphaOne Mini offers an ideal setup for managing fleets of OSVs, tugboats, and coast guard vessels. Operating over a high-performance LEO network with integrated GSM failover, HyphaOne Mini perfectly complements sea voyages for leisure boat owners, offering a comprehensive infotainment kit for an enhanced onboard experience.

FEATURES



Dual Mode
Satellite & GSM



High-Speed
Up to 300 Mbps



Fleet Management
GPS tracking



Performance Analytics
Real-time network insights



Cost-Optimisation
Credit Management & Filtration



Shared Subscription
Credit Roll-Over

SPECIFICATIONS

CONNECTIVITY

Satellite Mode

Powered by Starlink Mini

Up to 300 Mbps; low latency (~ 26 ms)

Cellular Mode

Powered by PepLink

Supported cellular bands

617Mhz - 6Ghz (4G + 5G)

Network Interfaces

1x Gigabit Ethernet with IP67 shroud – fits any RJ45 cable

WiFi Frequency Bands

2.4Ghz / 5.8Ghz

WiFi 5 and WiFi 6 options (Dual MIMO configuration)

OPTIVIEW NETWORK MANAGEMENT

OptiView is a proprietary network management ecosystem by IEC Telecom. Managed via an intuitive, agile, and future-ready portal, OptiView offers real-time insights and enables full control over your remote communication networks – whether satellite or cellular.

- Full Visibility over Satcom Links
- Bandwidth Usage History
- Advanced Filtration Management
- Usage Details Report
- Credit Limit Management
- Vouchers Monitoring
- GPS Tracking
- LTE Failover

ADVANCED TRACKING (OPTIONAL)

Powered by Traksat platform

- Multi-device, multi-network compatibility
- Real-time tracking & location monitoring
- Advanced visualisation & analytics tools
- Seamless third-party integrations

HARDWARE

Dimensions: 330mm(L) x 350mm(W) x 120mm(H) | Weight: 4.7kg

Mounting: 4x M8 threads into housing

Base plate material

Aluminium base with fins (Passively cooled)

Radome material

Injection moulded plastic

POWER

Internal DC/DC ensures stable operation

Operating voltage

9 – 36V DC

Power consumption

40W (Nominal)

75W (Maximum)

ENVIRONMENTAL

Operating temperature range

-30°C to 50°C (Up to 70°C but thermal throttled)

Ingress protection rating

IP66

ACCESSORIES (OPTIONAL)

Magnetic Mount Kit

Wiring Kits

Power supply (EPS or power bank)

USE CASES

OSVs

Transform your vessels into connected mobile data hubs. Enable real-time coordination, visibility, and control across the oil field to enhance operational efficiency, streamline fleet communications, and ensure seamless logistics. Optimise your satcom budget across the fleet through a shared corporate subscription by IEC Telecom.

FISHING VESSELS

Deliver uninterrupted connectivity for sea-to-shore communications, including video calls, fish-catch reporting, and access to a wide range of corporate applications. Go even further with an advanced tracking solution by Traksat, featuring geofencing capabilities and multiple map overlays.

LEISURE BOATS

Enhance the onboard experience with high-speed internet for streaming, messaging, and gaming. Support digital payments and collect demographic data to improve service quality through intelligent, data-driven insights.

