

HYPHAONE MINI

HIGH-SPEED ON THE MOVE FOR COMPREHENSIVE FLEET MANAGEMENT

HyphaOne Mini is a compact mobile connectivity solution that transforms any vehicle into a fully connected digital hub. By combining Starlink with cellular networks, HyphaOne Mini ensures high-speed, reliable communication across remote, urban, or crisis-affected environments. Built for tight space and power limits, it supports uninterrupted data exchange, real-time coordination, and situational awareness on the move. Intelligent traffic routing and usage analytics enable advanced network management and cost efficiency.

Ideal for first responders, government fleets, humanitarian missions, and off-grid expeditions, HyphaOne Mini brings digitalisation to regions where connectivity is needed most.

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

FIRST RESPONDERS & HUMANITARIAN MISSIONS

HyphaOne Mini provides uninterrupted connectivity for critical operations, transforming vehicles into connected hubs for real-time communication, data sharing, and GPS tracking. It enables seamless coordination of emergency missions and ensures transparency for remote operations such as firefighting, rescue, and humanitarian aid delivery.

PASSENGER TRANSPORT & LOYALTY PROGRAMS

HyphaOne Mini enhances passenger travel with high-speed internet for streaming, messaging, and gaming. Onboard systems support digital payments and collect demographic data, enabling personalised loyalty programmes that boost passenger spend, improve service quality, and strengthen long-term engagement through intelligent, data-driven insights.

ROAD FREIGHT & LOGISTICS

HyphaOne Mini introduces Vehicle-as-a-Node connectivity, turning every truck into a mobile data hub. It enables real-time coordination, visibility, and control across regions, improving operational efficiency, streamlining fleet communication, and ensuring seamless logistics— even on remote or cross-border routes through carrier-agnostic connectivity.