hypha ONE. mini

Anytime, anywhere connectivity.

Ultra-compact satellite technology.

Vehicle-as-a-Node technology.

HyphaONE Mini transforms your vehicle or vessel into a powerful mobile network hub that means your team or crew is always connected.

Connectivity.

Leverage the power of Starlink satellites and 4G/5G to stay linked to crucial resources, with end-to-end encryption.

Visibility.

Integrate the tools, systems and channels you already use into a single multi-bearer hub with seamless switching.

Mobility.

Take your connection with you and use it like any Wi-Fi network – sharing real-time data from your preferred smart devices.

✓ Ready for **rapid deployment**

✓ Reliable connectivity in **extreme environments**

✓ Strengthening disaster **recovery efforts**

✓ Effective coordination **between command centres and field teams**

✓ **Leverage resilient COFDM mesh capability** to extend VaaN beyond the vehicle

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Voice and Data **Beyond** Networks

hypha ONE. mini

Unbound communications.

Hypha is creating a world where every remote worker is always connected to high-speed internet - no matter where they are or what situation they're in.

Ultra-compact satellite technology.

HyphaOne Mini uses an integrated Starlink Mini panel, designed for maximum efficiency. Equip more frontline personnel with high-speed data and stay connected even when space and power budgets are low.

up to 200Mbps   **24 – 40 w**   **110° field of view**

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Specifications

POWER

Internal DC/DC ensures stable operation

Operating voltage
9 – 36V DC

Power consumption
40W (Nominal)
75W (Maximum)

ENVIRONMENTAL

Operating temperature range
-30ºC to 50ºC (Up to 70ºC but thermal throttled)

Ingress protection rating
IP69

PHYSICAL

Dimensions
330mm(L) x 350mm(W) x 120mm(H)

Weight
4.7kg

Mounting method
4x M8 threads into housing

Base plate material
Aluminium base with fins (Passively cooled)

Radome material
Injection moulded plastic

NETWORKING

Maximum internet throughput
Up to 200 Mbps

Supported cellular bands
• 617Mhz - 6Ghz (4G + 5G)
• Available with radio modules for US, APAC and Global

WiFi frequency bands
• 2.4Ghz / 5.8Ghz
• WiFi 5 and WiFi 6 options (Dual MIMO configuration)

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

Accessories
• Mag Mount Kit   • Wiring Kits

PEPLINK

Carrier-agnostic

Br1 Mini - *Entry-level*
• LTE only + WiFi 5
• Application aware routing

BR Pro 5 - *Mid-range*
• 5G and WiFi 6 capable
• Ideal for up to 50 devices
• Advanced SpeedFusion options

Max Transit Pro E - *Premium*
• Especially suited for emergency services
• 5G, WiFi 6 and Edge compute capable
• Ideal for up to 100 devices
• Advanced SpeedFusion options

hypha M.E.SH

Waveform
• COFDM

Supported requencies
• L, S & C band

RF Output
• 500mW / 1-Watt

Encryption
• AES 128 / 256

Bandwidth
• 1.25Mhz / 2.5Mhz / 5Mhz / 10Mhz

Configuration
• Flexible programming with HyphaMESH software

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