



**Anytime,
anywhere
connectivity.**



**Next-generation
satellite technology.**

Vehicle-as-a-Node technology.

HyphaONE transforms your first responder or emergency vehicle into a powerful mobile network hub that means your team 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



Voice and Data **Beyond** Networks

hypha ONE.

**Unbound
communications.**



Hypha is creating a world where every firefighter, paramedic or search and rescue team is always connected to high-speed internet - no matter where they are or what situation they're in.



Next-generation satellite technology.

HyphaOne uses an integrated **Starlink Flat High-Performance** panel, designed for challenging environments. Achieve faster speeds than many fixed line enterprise plans, with the most reliable satellite connection possible.



up to 300Mbps



110 – 150 w



140° field of view



Specifications



POWER

Internal DC/DC ensures stable operation

Operating voltage

9 – 36V DC

Power consumption

110W – 150W (Nominal)

300W (Maximum – with 'Snow Melt mode' active)



ENVIRONMENTAL

Operating temperature range

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

Ingress protection rating

IP67



PHYSICAL

Dimensions

730mm(L) x 510mm(W) x 245mm(H)

Weight

14kg

Mounting method

4x M8 threads into housing

Housing material

Cast aluminium



NETWORKING

Maximum internet throughput

Up to 300 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

2x Gigabit Ethernet with IP67 shroud – fits any RJ45 cable

Accessories

- Mag Mount Kit
- Wiring Kits



PEPLINK

Carrier-agnostic

Max Transit Pro E

- Especially suited for emergency services
- 5G, WiFi 6 and Edge compute capable
- Ideal for up to 100 devices
- Advanced SpeedFusion option



hypha MESH!

Waveform

- COFDM

Supported requeencies

- 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