



HyphaMAP is a lightweight device designed to be fitted to a vehicle, building or Drone/UAS. It combines mesh and Wi-Fi technologies to enable users to connect smart devices, sensors and cameras in environments that defeat radio and cellular communications.

- Simple to use
- Lightweight and small form factor; can be installed in a vehicle, building or Drone/UAS
- Quickly forms a true IP network for high bandwidth, bi-directional data flow
- High Data rate up to 56 Mbps
- Has a range of up to 3 miles (5 km) between nodes
- Advanced COFDM waveform for mesh
- Connects with Wi-Fi capable devices

# Technical Specifications

## HyphaMAP

### Specifications

Waveform	COFDM
Output Frequency	4.9 GHz Public Safety Band (Other bands available, please contact us)
Carrier Bandwidth	2.5 / 5.0 / 10.0 MHz (User Defined)
Data Rate	Up to 28 Mbps
Transmit Power	500 mW
Receive Sensitivity	< -100 dBm
Image Quality	Supports CIF / HD1 / D1 / 720P / 1080P
Power Supply	Externally Powered, 10-32V DC input
Power Consumption	4.6 W (Max)
GPS	External Antenna (SMA)
Wi-Fi	External Antenna (SMA)

### Device Interfaces

Antenna	External Antenna (SMA) supplied with magnetic mounted, 6dBi OMNI
Control	Ethernet & OTA
Audio	IP/Adaptive Multi-Rate (AMR) 4.8kbps

### Networking

Ethernet	10/100 Mbps
Wi-Fi	2.4/5.0 GHz

### Streaming

Protocol	UDP, RTSP, RTP
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### Security

Encryption	AES 128/256
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### Physical

Dimensions	5.5 x 3.7 x 1.8 inches (140 x 95 x 45 mm)
Weight	15 ounces (450 g)
Operating Temperature	-22°F to 131°F (-30°C to 55°C)

**Reliable connectivity by extending  
coverage to the edge of current networks  
– and beyond**

For further information, please contact [connect@sovsys.co](mailto:connect@sovsys.co) or visit [www.sovsys.co](http://www.sovsys.co)

