



HyphaPTT delivers a Push-to-Talk user experience using the mesh radio network. Capable of being used as a portable voice terminal, as well as a mesh node for data transmission, the HyphaPTT unit meets the requirement for voice and data capability when radio and cellular networks are degraded or unavailable.

- Simple and easy user experience
- Quickly forms a true IP network for high bandwidth, bi-directional voice & data flow
- Data rate up to 28 Mbps
- Can accommodate up to 32 nodes in an urban environment
- Has a range of up to 3 miles (5 km) between nodes
- Advanced COFDM waveform for mesh
- Connects with Wi-Fi or Bluetooth capable devices

# Technical Specifications

## HyphaPTT

### Specifications

Waveform	COFDM SSBM User Selectable
Output Frequency	4.9 GHz Public Safety Band
Carrier Bandwidth	0.3 / 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	Battery Powered, 7.6 V
Power Consumption	4.6 W (Standby), 9.1 W (Max)
GPS	Internal
Wi-Fi	Internal

### Device Interfaces

Antenna	SMA x 2
Control	LEMO (USB)
Audio	PTT
Buttons	Front- Menu, Home, Confirm, Back, Quad Directional, and Numerical Buttons Side – PTT button, On/Off
Display	1.8" LCD Colour Display (320 x 240)

### 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	155 x 78 x 40mm
Weight	15 ounces with battery (436g)
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 [sales@hypha.world](mailto:sales@hypha.world) or visit [www.hypha.world](http://www.hypha.world)

