



HyphaNODE is intended for installation in vehicles, aircraft or static locations where more power is required to extend the range of the mesh network.

The HyphaNODE can be configured for different power levels to deliver significant network coverage across a wide area.

- Simple to install
- Configurable to 2 W, 5 W or 10 W
- Data rate up to 56 Mbps
- Advanced COFDM waveform

# Technical Specifications

## HyphaNODE

### Specifications

|                     |  |
|---------------------|--|
| Output Frequency    | 4.9 GHz Public Safety Band               |
| Carrier Bandwidth   | 2.5 / 5.0 / 10.0 / 20 MHz (User Defined) |
| Data Rate           | Up to 56 Mbps                            |
| Transmit Power      | 2 W                                      |
| Video Encoding      | H.265                                    |
| Receive Sensitivity | < -100 dBm                               |
| Image Quality       | Supports CIF / HD1 / D1 / 720P / 1080P   |
| Power Supply        | DC 28-36 V                               |
| Power Consumption   | 9 W (Standby), 25 W (Max)                |

### Device Interfaces

|                 |                     |
|-----------------|---------------------|
| Antenna         | N-Type x 2          |
| PTZ Control     | RS485               |
| Video Interface | CVBS, HDMI, SD Card |
| Control         | Ethernet & OTA      |
| Serial          | RS232 or GPS        |
| USB             | USB 2.0 Interface   |
| Audio           | 3.5 mm Audio Jack   |
| Wi-Fi           | 2.4/5.0 GHz         |

### Streaming

|          |                |
|----------|----------------|
| Protocol | UDP, RTSP, RTP |
|----------|----------------|

### Security

|            |             |
|------------|-------------|
| Encryption | AES 128/256 |
|------------|-------------|

### Physical

|                           |  |
|---------------------------|--|
| Dimensions                | 7 x 6.7 x 2.5 inches (180 x 170 x 65 mm) |
| Weight                    | 3.3lb (1.55kg)                           |
| Operating Temperature     | -4°F to 122°F (-20°C to 50°C)            |
| Ingress Protection Rating | IP68                                     |

**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)

