hypha MESH:LITE

For vehicle mounting, deployable kits or set-up in buildings.



- Ideal for dynamic deployments, with a lightweight and small form factor that has low power consumption requirements.

 Housing for drones available on request.
- Extend your internet gateway when connected to the HyphaMESH network with Wi-Fi and GPS.
- Simple to use no end user input needed with external connectors for 4.9 GHz, Wi-Fi and GPS antennas.
- LED indicator for mesh network connectivity.

RESCUE

Specifications

FORM FACTOR Programmable / Vehicle OPERATING FREQUENCY (GHZ) (Other frequencies available) BANDWIDTH (MHZ) DATA RATE (MBPS) Up to 56* TRANSMIT POWER 2 x 500 mW or 2 x 1 W RECEIVE SENSITIVITY OWER SUPPLY POWER CONSUMPTION ETHERNET 10/100 Mbps WI-FI 2.4 GHz ENCRYPTION AES 128/256 RF INTERFACE 2 x SMA (Tx/Rx), 1 x SMA (GPS), 1 x RP SMA (Wi-Fi) GPS External (SMA) AUDIO AMR 4.8 kbps CONTROL Ethernet & OTA I/O 2 x Ethernet WEIGHT 450 g DIMENSIONS (MM) 140 × 95 × 45 IP RATING IP 44 OPERATING TEMP (°C) ADVANCED FEATURES* Up to 128 nodes in a network Mimo mode STDMA mode		
(Other frequencies available) BANDWIDTH (MHZ) 1.25 / 2.5 / 5 / 10 DATA RATE (MBPS) Up to 56* TRANSMIT POWER 2 x 500 mW or 2 x 1 W RECEIVE SENSITIVITY -100 dBm @ 5 MHz POWER SUPPLY 10 - 32 V DC POWER CONSUMPTION 5 W (Standby), 25 W (Max) ETHERNET 10/100 Mbps WI-FI 2.4 GHz ENCRYPTION AES 128/256 RF INTERFACE 2 x SMA (Tx/Rx), 1 x SMA (GPS), 1 x RP SMA (Wi-Fi) GPS External (SMA) AUDIO AMR 4.8 kbps CONTROL I/O 2 x Ethernet WEIGHT 450 g DIMENSIONS (MM) 140 × 95 × 45 IP RATING IP 44 OPERATING TEMP (°C) -30 to 55 ADVANCED FEATURES* • Up to 128 nodes in a network Mimo mode • STDMA mode	FORM FACTOR	Fixed / Portable / Vehicle
DATA RATE (MBPS) Up to 56* TRANSMIT POWER 2 x 500 mW or 2 x 1 W RECEIVE SENSITIVITY OPOWER SUPPLY 10 - 32 V DC POWER CONSUMPTION 5 W (Standby), 25 W (Max) ETHERNET 10/100 Mbps WI-FI 2.4 GHz ENCRYPTION AES 128/256 RF INTERFACE 2 x SMA (Tx/Rx), 1 x SMA (GPS), 1 x RP SMA (Wi-Fi) GPS External (SMA) AUDIO AMR 4.8 kbps CONTROL I/O 2 x Ethernet WEIGHT 450 g DIMENSIONS (MM) 140 × 95 × 45 IP RATING IP44 OPERATING TEMP (°C) ADVANCED FEATURES* * Up to 128 nodes in a network Mimo mode STDMA mode		
TRANSMIT POWER 2 x 500 mW or 2 x 1 W RECEIVE SENSITIVITY < -100 dBm @ 5 MHz POWER SUPPLY 10 - 32 V DC POWER CONSUMPTION 5 W (Standby), 25 W (Max) ETHERNET 10/100 Mbps WI-FI 2.4 GHz ENCRYPTION AES 128/256 RF INTERFACE 2 x SMA (Tx/Rx), 1 x SMA (GPS), 1 x RP SMA (Wi-Fi) GPS External (SMA) AUDIO AMR 4.8 kbps CONTROL Ethernet & OTA I/O 2 x Ethernet WEIGHT 450 g DIMENSIONS (MM) 140 × 95 × 45 IP RATING IP44 OPERATING TEMP (°C) -30 to 55 ADVANCED FEATURES* • Up to 128 nodes in a network • Mimo mode • STDMA mode	BANDWIDTH (MHZ)	1.25 / 2.5 / 5 / 10
RECEIVE SENSITIVITY POWER SUPPLY 10 - 32 V DC POWER CONSUMPTION 5 W (Standby), 25 W (Max) ETHERNET 10/100 Mbps WI-FI 2.4 GHz ENCRYPTION AES 128/256 RF INTERFACE 2 x SMA (Tx/Rx), 1 x SMA (GPS), 1 x RP SMA (Wi-Fi) GPS External (SMA) AUDIO AMR 4.8 kbps CONTROL I/O 2 x Ethernet WEIGHT 450 g DIMENSIONS (MM) 140 × 95 × 45 IP RATING IP44 OPERATING TEMP (°C) ADVANCED FEATURES* • Up to 128 nodes in a network • Mimo mode • STDMA mode	DATA RATE (MBPS)	Up to 56*
POWER SUPPLY POWER CONSUMPTION 5 W (Standby), 25 W (Max) ETHERNET 10/100 Mbps WI-FI 2.4 GHz ENCRYPTION AES 128/256 RF INTERFACE 2 x SMA (Tx/Rx), 1 x SMA (GPS), 1 x RP SMA (Wi-Fi) GPS External (SMA) AUDIO AMR 4.8 kbps CONTROL I/O 2 x Ethernet WEIGHT 450 g DIMENSIONS (MM) 140 x 95 x 45 IP RATING IP44 OPERATING TEMP (°C) ADVANCED FEATURES* • Up to 128 nodes in a network • Mimo mode • STDMA mode	TRANSMIT POWER	2 x 500 mW or 2 x 1 W
POWER CONSUMPTION 5 W (Standby), 25 W (Max) ETHERNET 10/100 Mbps WI-FI 2.4 GHz ENCRYPTION AES 128/256 RF INTERFACE 2 x SMA (Tx/Rx), 1 x SMA (GPS), 1 x RP SMA (Wi-Fi) GPS External (SMA) AUDIO AMR 4.8 kbps CONTROL Ethernet & OTA I/O 2 x Ethernet WEIGHT 450 g DIMENSIONS (MM) 140 × 95 × 45 IP RATING IP44 OPERATING TEMP (°C) ADVANCED FEATURES* • Up to 128 nodes in a network • Mimo mode • STDMA mode	RECEIVE SENSITIVITY	< -100 dBm @ 5 MHz
### ETHERNET 10/100 Mbps WI-FI 2.4 GHz ENCRYPTION AES 128/256 RF INTERFACE 2 x SMA (Tx/Rx), 1 x SMA (GPS), 1 x RP SMA (Wi-Fi) GPS External (SMA) AUDIO AMR 4.8 kbps CONTROL Ethernet & OTA I/O 2 x Ethernet WEIGHT 450 g DIMENSIONS (MM) 140 × 95 × 45 IP RATING IP44 OPERATING TEMP (°C) -30 to 55 ADVANCED FEATURES* • Up to 128 nodes in a network • Mimo mode • STDMA mode	POWER SUPPLY	10 - 32 V DC
WI-FI 2.4 GHz ENCRYPTION AES 128/256 RF INTERFACE 2 x SMA (Tx/Rx), 1 x SMA (GPS), 1 x RP SMA (Wi-Fi) GPS External (SMA) AUDIO AMR 4.8 kbps CONTROL Ethernet & OTA I/O 2 x Ethernet WEIGHT 450 g DIMENSIONS (MM) 140 × 95 × 45 IP RATING IP44 OPERATING TEMP (°C) -30 to 55 ADVANCED FEATURES* • Up to 128 nodes in a network • Mimo mode • STDMA mode	POWER CONSUMPTION	5 W (Standby), 25 W (Max)
ENCRYPTION AES 128/256 RF INTERFACE 2 x SMA (Tx/Rx), 1 x SMA (GPS), 1 x RP SMA (Wi-Fi) GPS External (SMA) AUDIO AMR 4.8 kbps CONTROL Ethernet & OTA I/O 2 x Ethernet WEIGHT 450 g DIMENSIONS (MM) 140 × 95 × 45 IP RATING IP44 OPERATING TEMP (°C) -30 to 55 ADVANCED FEATURES* • Up to 128 nodes in a network • Mimo mode • STDMA mode	ETHERNET	10/100 Mbps
RF INTERFACE 2 x SMA (Tx/Rx), 1 x SMA (GPS), 1 x RP SMA (Wi-Fi) GPS External (SMA) AUDIO AMR 4.8 kbps CONTROL Ethernet & OTA I/O 2 x Ethernet WEIGHT 450 g DIMENSIONS (MM) 140 x 95 x 45 IP RATING IP44 OPERATING TEMP (°C) -30 to 55 ADVANCED FEATURES* • Up to 128 nodes in a network • Mimo mode • STDMA mode	WI-FI	2.4 GHz
1 x RP SMA (Wi-Fi)	ENCRYPTION	AES 128/256
AUDIO AMR 4.8 kbps CONTROL I/O 2 x Ethernet WEIGHT 450 g DIMENSIONS (MM) 140 × 95 × 45 IP RATING IP44 OPERATING TEMP (°C) ADVANCED FEATURES* • Up to 128 nodes in a network • Mimo mode • STDMA mode	RF INTERFACE	2 x SMA (Tx/Rx), 1 x SMA (GPS), 1 x RP SMA (Wi-Fi)
CONTROL Ethernet & OTA I/O 2 x Ethernet WEIGHT 450 g DIMENSIONS (MM) 140 × 95 × 45 IP RATING IP44 OPERATING TEMP (°C) -30 to 55 ADVANCED FEATURES* • Up to 128 nodes in a network • Mimo mode • STDMA mode	GPS	External (SMA)
I/O 2 x Ethernet WEIGHT 450 g DIMENSIONS (MM) 140 × 95 × 45 IP RATING IP44 OPERATING TEMP (°C) -30 to 55 ADVANCED FEATURES* • Up to 128 nodes in a network • Mimo mode • STDMA mode	AUDIO	AMR 4.8 kbps
WEIGHT 450 g DIMENSIONS (MM) 140 × 95 × 45 IP RATING IP44 OPERATING TEMP (°C) -30 to 55 ADVANCED FEATURES* • Up to 128 nodes in a network • Mimo mode • STDMA mode	CONTROL	Ethernet & OTA
DIMENSIONS (MM) 140 × 95 × 45 IP RATING IP44 OPERATING TEMP (°C) -30 to 55 ADVANCED FEATURES* • Up to 128 nodes in a network • Mimo mode • STDMA mode	1/0	2 x Ethernet
IP RATING OPERATING TEMP (°C) -30 to 55 ADVANCED FEATURES* • Up to 128 nodes in a network • Mimo mode • STDMA mode	WEIGHT	450 g
OPERATING TEMP (°C) -30 to 55 • Up to 128 nodes in a network • Mimo mode • STDMA mode	DIMENSIONS (MM)	140 × 95 × 45
ADVANCED FEATURES* • Up to 128 nodes in a network • Mimo mode • STDMA mode	IP RATING	IP44
Mimo modeSTDMA mode	OPERATING TEMP (°C)	-30 to 55
	ADVANCED FEATURES*	• Mimo mode

* Licensable feature





