

hypha MESH:TALK

For teams that
also need integrated
push-to-talk.



Specifications

FORM FACTOR	Handheld / Wearable
OPERATING FREQUENCY (GHZ) (Other frequencies available)	Programmable 4.8 > 5.0
BANDWIDTH (MHZ)	1.25 / 2.5 / 5 / 10
DATA RATE (MBPS)	Up to 56*
TRANSMIT POWER	1 x 500 mW
RECEIVE SENSITIVITY	< -100 dBm @ 5MHz
POWER SUPPLY	Battery, 7.6 V
POWER CONSUMPTION	4.6 W (Standby), 9.1 W (Max), 8-hour runtime
ETHERNET	10 / 100 Mbps
WI-FI	2.4 / 5.0 GHz
ENCRYPTION	AES 128 / 256
RF INTERFACE	1 x SMA (Tx/Rx), 1 x RP SMA (Wi-Fi)
GPS	Internal
AUDIO	PTT
CONTROL	Ethernet & OTA, Front & side buttons, 1.8" display
WEIGHT	436 g (with battery)
DIMENSIONS (MM)	155 x 78 x 40
IP RATING	IP54
OPERATING TEMP (°C)	-30 to 55
ADVANCED FEATURES*	<ul style="list-style-type: none">• Up to 128 nodes in a network• Mimo mode• STDMA mode• Smart auto mode (anti-jamming)

* Licensable feature

- ✓ Ideal for delivering a Push-to-Talk user experience that uses the mesh radio network.
- ✓ Acts as both a portable voice terminal and a mesh node for data transmission.
- ✓ Simple and easy to use, connecting with Wi-Fi capable devices.
- ✓ Helps meet requirements for voice and data capability when radio and cellular networks are degraded or unavailable.



How
Hypha
works

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Voice and Data **Beyond** Networks