

TRAMIGO

TRACKING & CONNECTIVITY



TRAMIGO SOLUTIONS

MCPTT-H1 SERIES

HYBRID PTT SOLUTION DESIGNED FOR UNINTERRUPTED COMMUNICATION IN DEMANDING SITUATIONS

IP68



BROADBAND AND NARROWBAND INTEGRATION



PUBLIC AND PRIVATE NETWORK INTEGRATION



INTEGRATED MULTIMEDIA FUNCTIONS



SERVER-TO-DEVICE ENCRYPTED CONVERSATIONS



MULTI-NETWORK CONNECTIVITY

TRAMIGO MCPTT-H1 SERIES

PROFESSIONAL ALL-IN-ONE PTT SOLUTION

The MCPTT-H1 Series guarantee uninterrupted operational readiness with **dual communication layers** that seamlessly activate alternative channels whenever required. By combining the unlimited reach of Push-to-Talk over Cellular (PoC) with the reliability of dedicated RF, it keeps teams connected and in control, especially in areas beyond cellular coverage. Equipped with an SOS button, GPS tracking, and multimedia support, the H1 Series empower mission-critical teams to **hear, see, and coordinate** in real time, maintaining full situational awareness in every operation.



Crystal-clear audio quality with low latency



Designed for one-to-one and one-to-group calls



AES-256 encrypted communication



Works over 2G, 3G, 4G with multi-network connectivity



Image/video transmission with dual HD cameras



HD touch screen with impact-resistant material



Multiple positioning modes for real-time tracking and geofencing



Analog and Digital RF support



Programmable PTT key for public or private network



SOS emergency button



IP68 rated against dust and water



Lightweight and portable

ENSURES UNINTERRUPTED COMMUNICATION NATIONWIDE AND ACROSS BORDERS

- Utilizes the strongest network available
- Nationwide and cross-border multi-network connectivity
- Switches to dedicated RF as the backup option for uninterrupted communication



Tramigo MCPTT-H1 Series ensure maximum uptime for reliable communication, no matter where your teams operate.

TECHNICAL DATA

GENERAL		NARROWBAND TRANSCEIVER	
Operating System	Android 8.1	RF Output Power	≤3W
Frequency	GSM: B2/3/5/8 CDMA: BC0 WCDMA: B1/2/5/8 TDS: B34/39 FDD:B1/2/3/5/7/8/18/19/20/25/26/28a/28b TDD:B34/38/39/40/41	Channel Spacing	12.5kHz/25kHz
Frequency (Narrowband)	MCPTT-H1V: 136-174 Mhz MCPTT-H1Ui: 350-390Mhz MCPTT-H1Uii: 400-480Mhz	Modulation Limiting	+/- 2.5kHz @ 12.5kHz; +/- 5kHz @ 25kHz
WLAN	Support 2.4GHz, 802.11b/g/n Support WiFi assisted positioning	Radiated Emission	-36 dBm≤1GHz/-30 dBm≥1GHz
Bluetooth	Supports multiple Bluetooth device connection	Adjacent Channel Power	≤-60dB
Global Navigation Satellite Systems (GNSS)	GPS / GLONASS / BeiDou	Frequency Response	+1/-3dB
Camera	Front: 5MP ; Rear: 8MP	Audio Distortion	3%
Screen Size	2.8 Inch Touch Screen	4FSK Modulation	12.5kHz Data Only: 7K60FXD 12.5kHz Data And Voice: 7K60FXE
Screen Resolution	480 x 640	FM Modulation Mode	12.5 kHz: 8K50F3E; 25 kHz: 16KΦF3E;
Operating Voltage	3.7 VDC	Digital Vocoder	AMBE++
Dimension (HxWxD)	129 x 71 x 30 mm	Sensitivity	5% BER: 0.25uV
Weight	285g (Including Battery and Antenna)	Intermodulation	65dB
		Adjacent Channel Selectivity	60dB
		Spurious Suppression	70dB
		Hum and Noise	-40dB
		Rated Audio	0.5W
		Audio Distortion	3%
		Conducted Radiation	-36dBm
		ENVIRONMENTAL INDEX	
		Operating Temperature	-20°C~+60°C
		Storage Temperature	-30°C~+70°C
		Vibration, Drop and Shock	MIL-STD-810C/D/E/F
		Ingress Protection	IP68
		ESD	IEC 61000-4-2