P500
4G POC Portable Radio

- Global PTT service via mature 4G / 3G / 2G network
- Cost-effective professional trunked features
- Easy-to-deploy and Easy-to-expand network
- Large coverage and less limit in capacity
- IP54 with professional appearance

Global PTT Service
Users can use PTT service globally via public operator's existing 2G / 3G / 4G network.

4G / 3G / GSM (GPRS) / WI-FI Transmission
It provides flexible ways of using PTT service under various working environments.

NFC (Optional) / Bluetooth
NFC and Bluetooth function modules bring more possibilities for extended use, like patrol system, etc.

Accurate Device Positioning Using A-GPS
Assisted GPS provides enhanced device positioning using improved time-to first-fix data provided by the cellular network. The A-GPS service provides accurate device location in built up city and dense urban areas where satellite GPS signals may be poor or unreliable.

Flexible Call Features and Over-the-Air Programming
The devices provides typical two-way radio voice services such individual, group and all calls, alerts for incoming and progress of outgoing calls, voice announcement for cellular and Wi-Fi network access and 3 pre-programmable or over the air programmable one touch buttons for sending regular text message or selecting operational groups.

Two-Way Radio Features Are Maintained for User Ease of Operation.
Terminals have been designed to look and operate like a traditional two-way radio. It is more reliable and easier to operate.

Advanced Signalling Service
Supports functions radio kill / stun / revive, roaming for flexible management.

Strong Expansion Capability
The Wi-Fi and Bluetooth features of the terminal allow expansion of standard functionality and when combined with API, bespoke application can be developed to provide specific business solution.

To find out more or to discuss your requirements please call us on:
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Specifications

General

Communication Mode & Frequency Band	GSM / GPRS: B2 / B3 / B5 / B8 WCDMA / HSPA: B1 / B2 / B5 / B8 FDD-LTE B1 / B3 / B5 / B7 / B8 / B20 TDD-LTE B38 / B40 / B4 Or GSM / GPRS / EDGE: B3 / B8 WCDMA: B1 / B5 /B8 FDD-LTE: B1 / B3 / B5 / B7 / B8 / B28 TDD-LTE: B38 / B39 / B40 / B41 Or GSM / GPRS: B2 / B5 WCDMA / HSPA: B1 / B2 / B4 / B5 FDD-LTE: B1 / B2 / B3 / B4 / B5 / B7 / B12 / B13 / B17 / B28a WI-FI: 2.4Ghz / 5Ghz
Operating Temperature	-20°C~ +50°C
Storage Temperature	- 40°C~ + 80°C
Power Supply	DC 3.7V
Battery	3600mAh Li-ion / 5200mAh Li-ion (Optional)
Dimension (H*W*D)	15mm*54mm*30mm
Weight (with battery and antenna)	330g
Display	P500: N/A
Dustproof & Waterproof	IP54

Transmitter

RF Power Output	2G:30dBm ±2dB 3G: 24dBm +1/-3dB 4G:23dBm +1/-3dB
Frequency Stability	±0.1 ppm
Audio Distortion	5% (typical)

Receiver

Frequency Stability	±0.1 ppm
Sensitivity	2G: BER < 0.001 when Îor = -106.7(108)dBm 3G: BER < 0.001 when Îor =106.7(-108)dBm 4G:BER < 0.001 when Îor = -98(-100)dBm
Rated Audio Power	1W
Rated Audio Distortion	5% (typical)

All specifications are subject to change without notice due to continuous development.

Adapter	Battery	Antenna	Belt Clip	Charger (option)	USB Cable (option)