



M50 4G

PoC Mobile Radio

Global PTT service via 3G/4G/Wi-Fi network
Cost-effective professional push to talk feature
Easy-to-deploy & easy-to-expand network
Large coverage & less limit in capacity
Highly professional using in vehicle



KIRISUN PTT over Cellular Radio

M50 4G PoC Mobile Radio

KEY FEATURES AND BENEFITS

• **Compact design, easy to install**

Newest private model from Kirisun with compact design, support installation with different accessories

• **Global PTT Service, support dual SIM cards**

Users can use PTT service globally via public 2G/3G /4G network, support dual SIM cards

• **4G/3G/ WIFI transmission**

In-vehicle PTT service under various radio environments

• **A-GPS for more accurate positioning**

A-GPS (GPS with assistance of base-station in public radio network), GPS module sends the initial GPS data to base station after analysis and data will be returned to GPS module for further processing

• **Supports various voice and data services**

Maintain user habit as much as possible, supports various voice functions such as call (all call/group call/individual call/call reminder), voice (incoming call/outgoing call/talk permit/low power), and duplex call

• **Three programmable keys and configuration via air interface**

Three programmable keys for function customization and quick operation. Remote configuration through 3G/4G/Wi-Fi air interface, helping reduce maintenance cost

• **Clear recording, download and playback of voice**

Echo-suppression and large-caliber speaker for clearer and larger volume and less distortion, helping users better enquire historical data from dispatcher station through voice recording, download and playback

• **High extensibility**

Wi-Fi and Bluetooth modules bring more possibilities for extended use of other third-party applications

SPECIFICATIONS

General

Communication Mode & Frequency Band	Version1
	4G: Band 1/3/4/5/7/8/20/28A/28B 3G: Band 1/5/8
	Version2(America)
	4G : Band 1/2/4/5/7/12/17/19/25/26/28A/28B 3G : Band 1/2/4/5
Operating Temperature	-20℃ ~ + 50℃
Storage Temperature	40℃ ~ + 80℃
Power Supply	DC 12-24V (Typical DC 12.5V)
Dimension (H*W*D)	43.4mm*152.6mm*50.7mm
Weight (with battery and antenna)	280g
Display	160*128 pixels, monochrome LCD screen
Dustproof & Waterproof	IP54
Ports	1 X power port
	1X microphone port
	1x USB port
	1 x GPS antenna port
	2×card slots
Operating System	Based on Android 7.0

Transmitter

RF Power Output	(2G) 2W ± 0.5W / 33.5dBm ±1.5dB
	(3G) 0.25W ± 0.1W / 24dBm ±1.5dB
	(4G)0.20W ± 0.1W / 23dBm ±2.7dB
Audio Distortion	5% (typical)

Receiver

Sensitivity	(2G) BER < 0.001 when $\hat{I}_{or} = 1\mu V / -106.7dBm$
	(3G) BER < 0.001 when $\hat{I}_{or} = 1\mu V / -106.7dBm$
	(4G) BER < 0.001 when $\hat{I}_{or} = 1\mu V / -106.7dBm$
Rated Audio Power	1W

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

STANDARD ACCESSORIES



Bracket



Power Cable



4G Antenna



GPS Antenna



Hand Microphone KME-232



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