

# M50 PoC Mobile Radio

Global PTT service via 2G/3G/4G/Wi-Fi network Cost-effective professional trunked features Easy-to-deploy & easy-to-expand network Large coverage & less limit in capacity Highly professional, for use in vehicle



# M50 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/GSM (GPRS)/ 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 2G/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 GSM: B2/B3/B5/B8

WCDMA: B1/B2/B5/B8 Or GSM/GPRS/EDGE: B3/B5/B8

WCDMA: B1/B5/B8 CDMA: 1xEVB0:BC0 FDD-LTE: B1/B3/B4/B5/B7/B8/B17/B20/B28A TDD-LTE: B40 WIFI: 2.4Ghz or 2.4Ghz/5Ghz

Operating Temperature  $-30^{\circ}\text{C} \sim +60^{\circ}\text{C}$ Storage Temperature  $40^{\circ}\text{C} \sim +80^{\circ}\text{C}$ 

Power Supply DC 8-36V (Typical DC 12.5V), ISO7637 compliant

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 (can connect in-vehicle ACC power)

1X microphone port 1x USB port 1x LTE/WCDMA/GSM 1 x GPS antenna port

3 x card slots (2 x SIM card slots, 1x TF card slot)

Operating System Based on Android 7.0

#### **Transmitter**

RF Power Output  $(2G) 2W \pm 0.5W / 33.5dBm \pm 1.5dB$   $(3G) 0.25W \pm 0.1W / 24dBm \pm 1.5dB$   $(4G) 0.20W \pm 0.1W / 23dBm \pm 2.7dB$  Frequency Stability  $\pm 0.1 \text{ ppm}$ 

Audio Distortion 5% (typical)

## Receiver

Frequency Stability  $\pm$  0.1 ppm

Sensitivity (2G) BER < 0.001 when  $\hat{l}$  or =  $1\mu V / -106.7 dBm$  (3G) BER < 0.001 when  $\hat{l}$  or =  $1\mu V / -106.7 dBm$ 

(4G) BER < 0.001 when  $\hat{l}or = 1\mu V / -106.7$ dBm

Rated Audio Power 1W

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

# **STANDARD ACCESSORIES**











Bracket Power Cable Antenna

GPS Antenna Hand Microphone KME-231



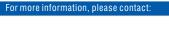
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