

M50

POC Mobile Radio

Global PTT services utilizing existing 2G 3G Wifi network
Cost effective professional trunk radio features
Flexibility to use Wi-Fi and/or cellular networks
Designed to mount in vehicle standard DIN slot
Built in GPS facility provides basic device location services
Equipped with standard fist microphone & bluetooth capability



PTT over Cellular Radio

M50 POC Mobile Radio

KEY FEATURES AND BENEFITS

• Compact Design and Easy to Install

The M50 has been designed to be easily & quickly installed in modern vehicles where dash space is at a premium. Designed to be installed in a standard vehicle DIN slot the M50 provides significant functionality in an easy to install package.

• Global PTT Service and Support Dual SIM Cards at the Same Time

Users can use PTT service globally via public operator's existing 2G/3G network and can support 1x2G and 1x3G SIM card at the same time.

• 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.

• Two Way Radio Features are Maintained for User Ease of Operation

The M50 terminal has been designed to look and operate like a traditional in vehicle two way radio terminal a standard or optional keypad fist microphone for reliable, well known and easy to use method of operation.

• Flexible Call Features and Over the Air Programming

The M50 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 & 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.

• Device Message Recording and Playback

The M50 has the ability to record voice message from the Kirisun Dispatch system for playback when the driver return to the vehicle. In built echo suppression and loud & clear audio delivered by the high quality internal or option external speaker ensure that stored messages are heard loud & clear.

• Powered by Vehicle Battery for Reliable Continuous Operation

The M50 can operate on voltages between 8 to 36 volts DC which eliminates the need for voltage converters in heavy vehicles.

• Strong Expansion Capability

The Wi-Fi and Bluetooth features of the M50 terminal allow expansion of standard functionality and when combined with Kirisun M50 API, bespoke application can be developed to provide specific business solutions.

SPECIFICATIONS

General

Communication Mode & Frequency Band	3G: WCDMA 850Mhz+ 900Mhz+ 1900Mhz+ 2100Mhz 2G: GSM 850M+900M+ 1800M+ 1900Mhz WIFI: 2.4/5Ghz
Operating Temperature	-30°C ~ + 60°C
Storage Temperature	40°C ~ + 80°C
Power Supply	DC 8-36V (Typical DC 12.5V), meet with ISO7637
Dimension (H*W*D)	43.4mm*152.6mm*50.7mm
Weight	280g
Display	160*128 pixels, monochrome LCD screen
Dustproof & Waterproof	IP54
Ports	1 X power port (can connect ACC power of vehicle) 1X microphone port, 1x USB port 1x WCDMA/GSM wireless port, 1 x GPS antenna port 3 x Card slots (2 x SIM card slots, 1x TF card slots)

Transmitter

RF Power Output	(2G) 2W ± 0.5W / 33.5dBm ± 1.5dB (3G) 0.25W ± 0.1W / 24dBm ± 1.5dB
Frequency Stability	± 0.1 ppm
Audio Distortion	5% (typical)

Receiver

Frequency Stability	± 0.1 ppm
Sensitivity	(2G) BER < 0.001 \hat{I} or = 1 μ V / -106.7dBm (3G) BER < 0.001 \hat{I} or = 1 μ V / -106.7dBm
Rated Audio Power	1W
Rated Audio Distortion	5% (typical)



STANDARD ACCESSORIES



Bracket



Power Cable



3G Antenna



GPS Antenna



Hand Microphone KME-231

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> kommunikationsradio

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