POWERED BY
iTALKPTT

iTALK450

DUAL SIM PTT Mobile Radio

Global PTT services utilizing existing 2G/3G/4G/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

iTALK450 PTT Mobile Radio

KEY FEATURES AND BENEFITS

• **Compact Design and Easy to Install**
The iTALK450 has been deigned 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 iTALK450 provides significant functionality in an easy to install package.

• **Dual SIM Cards ensure Redundancy**
Dual SIM slots provide the users with the option of redundancy in the event of network or coverage failure, the iTALK450 will automatically switch SIMs to the other 2G/3G/4G network.

• **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 iTALK450 terminal has been designed to looks and operates 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 iTALK450 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 iTALK450 has the ability to record voice message from the iTALK 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 iTALK450 can operate on voltages between 8 to 36 volts DC which eliminates the need for voltage convertors in heavy vehicles.

• **Strong Expansion Capability**
The Wi-Fi and Bluetooth features of the iTALK450 terminal allow expansion of standard functionality.

• **NFC Optional**
NFC function brings more possibilities like On/Off Duty

SPECIFICATIONS

General

Communication Mode & Frequency Band	3G: WCDMA 850Mhz+ 900Mhz+1900Mhz+2100Mhz
	2G: GSM 850M+900M+1800M+1900Mhz
	Asia/Europe/Australia:
	TDD-LTE: Band 40
	FDD-LTD: Band 1/3/4/5/7/8/20/28A/28B
	CDMA IX/EVDO: BC0
	GSM/GPRS/EDGE: 850/900/1800/1900
	America:
	FDD-LTD: Band 1/2/4/5/7/12/17/19/25/26/28A/28B
	WCDMA: Band 1/2/4/5
	GSM/GPRS/EDGE: 850/1900
	WIFI: 2.4/5Ghz
Operating Temperature	-30$℃$ ~ + 60$℃$
Storage Temperature	40$℃$ ~ + 80$℃$
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 Îor = 1µV / -106.7dBm
	(3G) BER < 0.001 Îor = 1µV / -106.7dBm
Rated Audio Power	1W
Rated Audio Distortion	5% (typical)

STANDARD ACCESSORIES

Bracket	Power Cable	3G Antenna	GPS Antenna	Hand Microphone