



PROFESSIONAL WIRELESS
COMMUNICATIONS

Specialists in Two-Way Radio

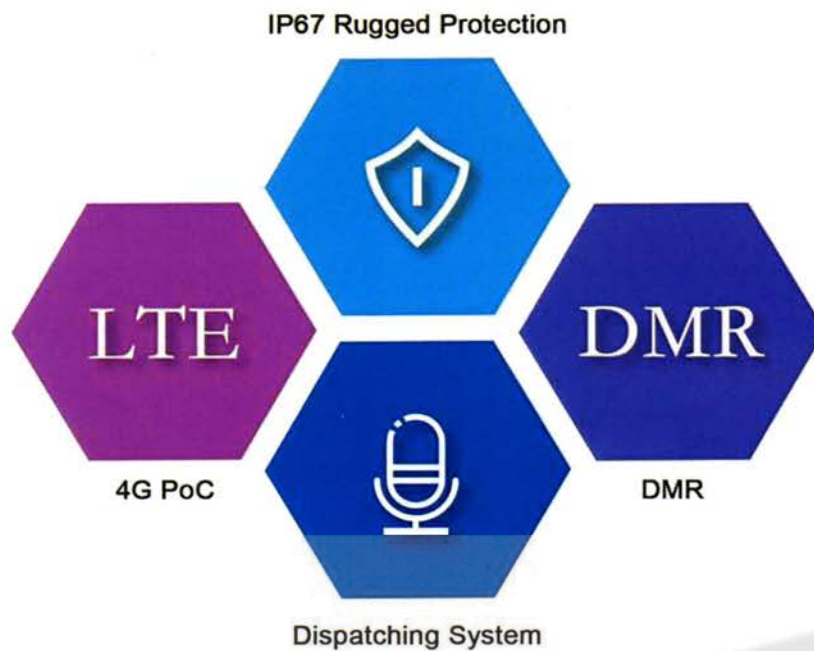
TD80 Dual Mode Portable Radio

HD Voice, Global Communication



4G LTE DMR Dual-Mode

- DMR
- GPS
- WiFi
- VOX
- NFC
- IP67
- Photo
- SMS
- Dual OS
- Bluetooth
- Man Down
- Trunked Call
- Rapid Charge
- One Key SOS
- 6000mAh Battery
- HD Touch Screen
- Full HD Recording
- USB HD External Cam



TD80 is a high-end dual-mode portable radio, which adopts the innovative communication technology of band and narrow integration and has professional voice/video PTT services and DMO PTT service function and design style, excellent voice quality for high-end application and industry customer.

Key Features

Support DMR And 4G/3G/WIFI Network, Dual Operating System To Switch

Supports 2G/3G/4G networks and supports analog, digital communication. TD80 has professional DMR TierII and 4G LTE PoC radio dual operating system, working mode switches freely.

Multiple GPS Modes

Support GPS, A-GPS, Beidou, GLONASS modules and positioning, GIS functions.

Support Recording

TD80 supports real-time voice recording for up to 500 calls as well as voice recording by the server, improving effectively users' safety awareness and operation capability. Voice records can be downloaded and played back.

6000mAh High-capacity Battery, Support 2A Fast Charging

6000mAh high-capacity battery ensures TD80's dual system longer operation time, allowing users to call and work more frequently. The fast charge function ensures that the customer can guarantee the normal use for a limited time in an emergency.

Global PTT Service, Support Dual SIM Cards

Support dual SIM cards and users can use PTT service globally via public 2G/3G /4G network. Once there is no carrier signal, it can switch to use DMR network of high stability.

4inch HD Touch Screen, Dual Cameras

Screen is larger, high-definition display, and the operation is more convenient. At the same time, the dual camera can automatically support more business functions such as 1080P HD video recording and photography.

Support Bluetooth / Patrol Function

Smart chip is built-in which can support configurable Bluetooth headset and Bluetooth ring and make patrol tasks quicker and more convenient for trial personnel to perform.

Professional Design To Enhance User Experience

IP67 waterproof and dustproof design, thimble headphone interface, large sound cavity design, independent alarm button, separate dock charger, more suitable and more convenient for professional users. All makes calling more clear, to get better user experience.

Functions

Professional Voice/Video PTT Services And DMO PTT Service

It provides high-quality and efficient voice and video PTT services that meet demands for high emergency communications and rapid response to calls from dedicated users anytime, anywhere. It supports the DMO PTT service to provide an alternative communications method under bad conditions and emergencies.

Support Bluetooth / Patrol Function

Smart chip is built-in which can support configurable Bluetooth headset and Bluetooth ring and make patrol tasks quicker and more convenient for trial personnel to perform.

Multiple GPS Modes

Support GPS, A-gps, Beidou, support positioning, GIS functions.

VOX Voice Control Function

Support VOX voice control function. It can be used to enable voice transmission, better to achieve call applications in special environments.

Support Full HD Video Recording, Photo Taking, G-Sensor

Very Rich Business Functions

In addition to traditional voice services, TD80 also supports a variety of data services and functions, such as emergency alarms, emergency calls, short messages, call logs, video recording, photo taking, call alert, remote monitoring, DMO.

Real-Time Dispatching Function

Combined with software, it supports real-time textual/vocal dispatching, dynamic group reorganization, image uploading, GPS positioning, track playback, GEO fencing and log query.

Vibration Prompt

In the state of calling, receiving short messages, the vibration prompt cannot miss important information in the case of noisy or weak volume.

Extensive And Distinctive Supplementary Services And Functions

It supports man down alert and hot MIC functions used to carry out rescue efforts safely and efficiently in the case of an emergency.

Applications



Suitable for hotels, estate management, public security departments, firefighting, patrol, rail transit, forestry, wharfs, shopping malls and construction of large projects.

Specifications

General

Dimension (H*W*D)	145*70*25mm (with battery, without antenna)
Weight	362g (with battery and antenna)
Battery	6000mAh Li-ion
Display	4.0" HD touch screen
PoC Communication	GSM:850/900/1800/1900 MHz
Mode & Frequency	WCDMA:850/900/1900/2100MHZ
Band	TD-SCDMA:B34/B39 TDD-LTE:B38/B39/B40/B41 FDD-LTE:B1/B2/B3/B4/B5/B7/B8/B12/B20
PMR Communication	UHF:400-470MHZ Default
Mode & Frequency	(VHF:136-174MHZ、
Band	UHF:350-390MHZ optional)
Channel spacing	Analog: 25KHz/12.5KHz; Digital: 12.5KHz
CPU	2GB (RAM) +16GB (ROM)
Image Resolution	Front cam: 5MP, rear cam 13MP
Video Resolution	1920x1080 @30fps
Storage	32GB(64GB、128GB optional)
WiFi	2.4GHZ/5GHZ
Sensor	Optical distance sensing / gravity sensing / gyroscope / compass
Operating Time	≥9H
Operating Temperature	-30°C ~ + 60°C
Storage Temperature	-40°C ~ + 85°C
Dustproof & Waterproof	IP67
Interface	Moto M6 /Type-C / USB OTG port

Transmitter

Frequency Stability	<1ppm
RF Power Output	2W
SNR	>40dB
Conducted/Radiated	<-36dBm@ < 1GHz
Emission	<-30dBm@ > 1GHz
Adjacent Channel Power	>60dB@12.5KHz/70dB@25KHz
FM Modulation	11KΦF3E@12.5kHz, 16KΦF3E@25kHz
4FSK Modulation	7K6ΦFXD @ data 7K6ΦFXW @ data+voice
Audio Response	+1 ~ -3dB
Rated Audio Distortion	<5%

Receiver

Analog Sensitivity	-122dBm (typical)
Digital Sensitivity	-121dBm (typical)
Adjacent Channel Selectivity	>70/60dB@5%BER (ETSI)
Intermodulation	ETSI: >55dB; TIA-603: >50dB
Spurious Response Rejection	ETSI: >65dB; TIA-603: >60dB
Conducted Spurious Emission	<-57dBm
Block	ETSI: >84dB; TIA-603: >70dB
Rated Audio Power	1W
Rated Audio Distortion	<5%
Hum and Noise	>45dB
Audio Response	+1 ~ -3dB



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