



TD80

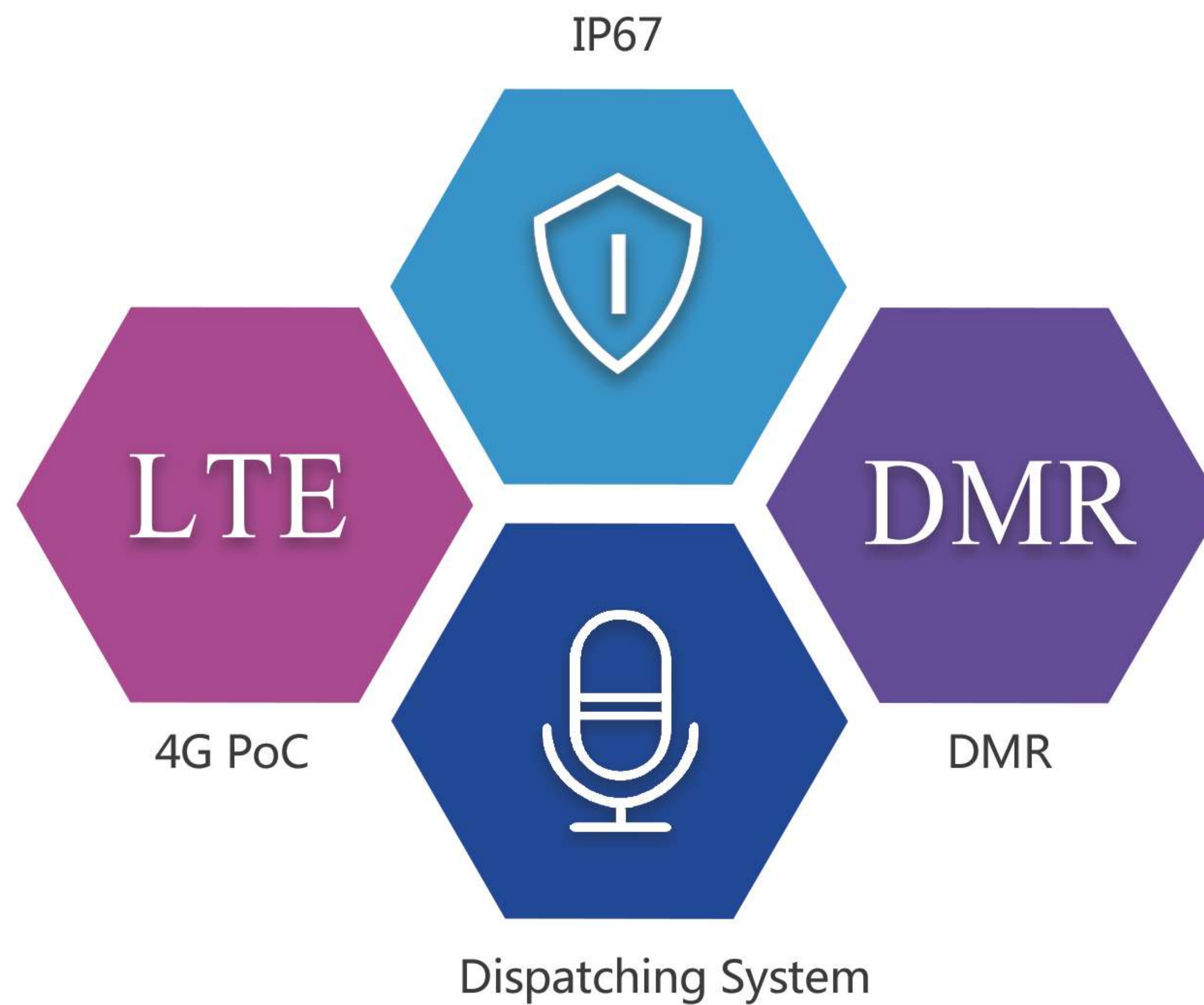
Dual Mode Portable Radio

HD Voice, Global Communication



4G LTE DMR Dual-Mode

- DMR
- GPS
- WiFi
- NFC
- IP67
- Photo
- PoC
- Bluetooth
- Man Down
- Rapid Charge
- One Key SOS
- Large Capacity Battery
- HD Touch Screen
- Full HD Recording



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

Key Features

Support DMR And 4G/3G/WiFi Network
Supports 3G/4G PoC service and DMR service.

Multiple GPS Modes
Supports GPS,A-GPS,GLONASS modules and positioning,GIS functions.

Support Recording
Supports real-time voice recording for up to 500 calls as well as server voice recording,improving effectively user safety awareness and operation capability. Voice recording can be downloaded and play back.

High-capacity Battery, Support Fast Charging
High-capacity battery supports TD80 long working time.The fast charging function ensures user can charge a short time in emergency situation.

Global PTT Service,Support Dual SIM Cards
Support dual SIM cards and users can use PTT service globally via public 3G/4G network. User can switch to DMR network if carrier network is not available.

HD Touch Screen,Dual Cameras
HD touch screen, easy operation. The dual camera support 1080P HD video recording and photography.

Support Bluetooth/Patrol Function
Support voice and video service. It also support bluetooth earphone for patrol service.

Professional Design To Enhance User Experience
IP67 waterproof and dustproof design, M6 interface, large voice design, independent alarm button, single docking charger,more convenient for professional users.

Functions

Professional PoC and DMR Services

Support 4G PoC voice and video service; Support DMR analog and digital service.

Support Bluetooth / Patrol Function

Support bluetooth earphone and patrol function. It can be applied in Grid, railway industry.

Multiple GPS Modes

Support GPS,, A-GPS, positioning, GIS functions.

Rich Business Functions

In addition to voice function, TD80 also support SMS, emergency alarm, video service. User can install 3rd party app too support more function.

Real-Time Dispatching Function

KiNet dispatch platform support real-time voice dispatch, image uploading, GPS positioning, track play back, Geo-fencing and log search function.

Mandown Function

Support Full HD Video Recording, photo ,G-Sensor

Applications



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 Mode & Frequency Band	GSM:850/900/1800/1900 MHz WCDMA:850/900/1900/2100MHZ TD-SCDMA:B34/B39 TDD-LTE:B38/B39/B40/B41 FDD-LTE:B1/B2/B3/B4/B5/B7/B8/B12/B20
PMR Communication Mode & Frequency Band	UHF:400-470MHZ Default (VHF:136-174MHZ, 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 Emission	<-36dBm@ < 1GHz <-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 Block	<-57dBm ETSI : >84dB ; TIA-603 : >70dB
Rated Audio Power	1W
Rated Audio Distortion	<5%
Hum and Noise	>45dB
Audio Response	+1 ~ -3dB

Accessories

Standard



Desktop Charger



Power Adapter



Battery



Antenna



Belt Clip



Earphone

Optional

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



Kirisun Communication Co.,Ltd.

FC CE ISO9001: 2015 Accredited Designer Manufacturer

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