TD60 / TD66

DUAL-MODE PORTABLE RADIO

The TD60 / TD66 dual-mode portable radio harnesses the power of narrowband and broadband technologies to provide mission-critical voice call, data record, positioning, etc. It enables seamless communications between the DMR network and public networks such as 2G, 3G, LTE, and WLAN.

4G	2.4 Inch Display	DMR/Analog	WiFi	BT 5.2

TD60

TD66

TD60 / TD66 DUAL-MODE PORTABLE RADIO

KEY FEATURES AND BENEFITS

• All-in-one Device

Combines 4G PoC, DMR Tier II&Tier III, Analog into a single device. No need to carry multiple separate handsets for accessing voice, data, and more.

• Rugged & Reliable

Certified with an IP68 rating and conforming to the MIL-STD-810G standard, TD60 / TD66 is built rugged to withstand water, dust, shock, extreme temperatures,etc. The unwavering physical durability of the TD60 / TD66 is what ensures it can continue to perform as expected even in the harshest environmental conditions.

• Long Shift Life Battery

The TD60 / TD66 is designed with powerful 3000 mAh Lithium-Ion battery to deliver up to 16 hours of operation in digital mode.

• Flexible Call Features

TD60 / TD66 provides various call types, such as private call / group call / all call / alarm call. It supports real-time storage of recordings to local and one-click playback or download on-line recordings through the dispatch platform.

• Extraordinary User Experience

Its 2.4 inch color HD screen incorporates translucent display technology which allows TD60 / TD66 to provide excellent readability even in bright sunlight.

• Easy to Operate

TD60 / TD66 uses humanized design, the three programmable buttons on the radio facilitate fast implementation of required functions, thus improving communication efficiency.

• Automatic Switch

TD60 / TD66 can automatically switch between the DMR network and the LTE network. Registering with both networks using the same ID, it can always select the optimal one to deliver smooth and reliable voice communications.

• GPS Positioning

Built-in high-precision GPS positioning positioning function, cooperate with the dispatching system, to achieve real-time positioning query and tracking of your team members.

• Versatile Data & Emergency Services

In addition to conventional communication service,TD60 / TD66 provides rich data service and selectable functions,including Text Message, Scan, Emergency, Man Down, VOX and LoneWorker.

• Transmit Interrupt

Enables users tointerrupt another radio call to deliver critical communication exactly when and where it's needed.

• Multiple Alarm Modes

Multiple alarm modes are built into TD60 / TD66 to help keep personnel safe. Users can count on immediate SOS alerts being sent out to supervisors and/or dispatchers when alarm conditions are met.

• Secure Communication

TD60 / TD66 provides basic and enhanced encryption capability, including ARC4,DES,and 256 bits AES encryption algorithm.It ensures secure communication on voice call and data transfer between team members.

APPLICATION SCENARIOS

Emergency Rescue

Electric Power

Police

Airport

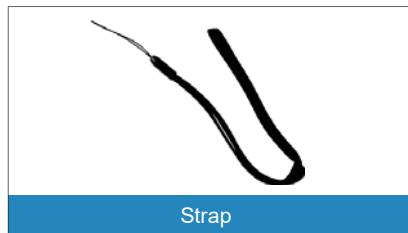Major Event

Railway

STANDARD ACCESSORIES

Desktop Charger

Battery
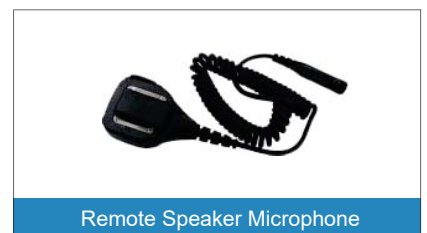

Antenna

Belt Clip

Strap

Adapter

OPTIONAL ACCESSORIES

Earpiece

Programming Cable

Remote Speaker Microphone

TD60 / TD66 SPECIFICATIONS

Wireless Data Communication

DMR/Analog	350-400 MHz, 400-470 MHz
LTE FDD	B1 / B3 / B5 / B7 / B8 / B20 / B28
LTE TDD	B38 / B40 / B41
CDMA	BC0
WCDMA	B1 / B5 / B8
TD-SCDMA	B34 / B39
GSM	850 / 900 / 1800 / 1900 MHz
WLAN	2.4G & 5G
NFC (Optional)	Communication distance > 1cm
BT	BT 5.2
Positioning	GPS

General

Dimensions (H x W x D)	138mm * 56mm * 36.5mm
Channel Capacity	DMR: 1024
Channel Spacing	12.5 kHz / 20 kHz / 25kHz
Operating Voltage	7.4V DC±20%
Display	2.4 Inch HD Screen
Standard Battery	3000 mAh Li-polymer, 7.5V(Rated)
Frequency Stability	±0.5 ppm
Weight	402 g

Environment

Dust and Water Proofing	IP68
Shock and Vibration	MIL-STD-810 G
ESD	IEC 61000-4-2 (Level 4), ±8kV (Contact), ±15kV (Air)
Operating Temperature	-20°C - +60°C
Storage Temperature	-40°C - +85°C
Humidity	MIL-STD-810G, ≤ +65°C, 95%RH

Receiver

Sensitivity	Analog	0.18 µV (12dB SINAD) (typical)
	Digital	0.18 µV / BER 5% (typical)
Selectivity		60 dB @ 12.5 kHz, 70 dB @ 20 / 25 kHz (TIA-603)
		60 dB @ 12.5kHz, 70 dB @ 20 / 25 kHz (ETSI)
Intermodulation		70 dB @ 12.5 kHz / 25 kHz (TIA-603)
		65 dB @ 12.5 kHz / 25 kHz (ETSI)
Spurious Response Rejection		70 dB @ 12.5 / 20 / 25 kHz (TIA-603)
		70 dB @ 12.5 / 20 / 25 kHz (ETSI)
Hum and Noise		40 dB @ 12.5 kHz, 45 dB @ 20 / 25 kHz
Rated Audio Power Output		2 W
Rated Audio Distortion		≤ 3% (typical)
Audio Response		+1 to -3 dB
Conducted Spurious Emission		-57 dBm @ < 1 GHz, -47 dBm @ 1 GHz

Transmitter

RF Power Output	1 W / 4 W
FM Modulation	11K0F3E @ 12.5 kHz / 14K0F3E @ 20 kHz / 16K0F3E @ 25 kHz
4FSK Digital Modulation	12.5 kHz Data: 7K60F1D and 7K60FXD 12.5 kHz Voice: 7K60F1E and 7K60FXE Combination of 12.5 kHz Voice and Data: 7K60F1W
Modulation Limiting	±2.5 kHz @ 12.5 kHz / ±4.0 kHz @ 20 kHz / ±5.0 kHz @ 25 kHz
FM Hum and Noise	40 dB @ 12.5 kHz, 45 dB @ 20 / 25 kHz
Adjacent Channel Power	60 dB @ 12.5 kHz, 70 dB @ 20 / 25 kHz
Audio Response	+1 to -3 dB
Audio Distortion	≤3% (typical)
Digital Vocoder Type	AMBE+2™
Audio Output	2 W

All specifications are tested according to applicable standards, and subject to change without notice due to continuous development.

For more information,please visit www.kirisun-turk.com or contact info@kirisun-turk.com

CE

Türkiye Distribütörü :
NEVADA®

Kirisun
Kirisun Communication Co.,Ltd.

ISO 9001:2015
ANSI·RAB QMS ACCREDITED
Registered Company

TÜV
TUV Rheinland of North America

TÜV CERT
DIN EN ISO 9001
Certificate: 01 100 029408

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