

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 * 36mm
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	450 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

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.com or contact marketing@kirisun.com

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		70 dB @ 12.5 / 20 / 25 kHz (TIA-603)
Response Rejection		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



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