

WETALK
PROFESSIONAL RADIO

WT-100SX

4G LTE Nation Wide PoC Radio



- Compact Rugged Radio Design
- PTT Private and Group Call Playback
- High Contrast Display
- Emergency SOS Button
- Fully Programmable
- Over-the-Air Software Updates
- 4G LTE Secure Network
- One-to-One or One-to-All Group Calls

General	
Type	4G LTE Nation Wide PoC Radio
Dimension	120X95X38MM
Weight	280g
Operating Voltage	12-36V DC
4G Antenna	External Rod Antenna
GPS Antenna	External Active Antenna
OS	Linux
ACC	Support
Frequency Band	
GSM	B3/B8
WCDMA	B1/B5/B8
LTE TDD	B38/B40/B41
LTE FDD	B1/B3/B5/B7/B8/B20
Data	
LTE FDD	150Mbps (DL)/50Mbps (UL)
LTE TDD	130Mbps (DL)/30Mbps (UL)
DC-HSPA+	42Kbps (DL)/5.76Kbps (UL)
WCDMA	384Kbps (DL)/384Kbps (UL)
EDGE	296Kbps (DL)/236.8Kbps (UL)
GPRS	107Kbps (DL)/85.6Kbps (UL)
Output Power	
EGSM900	33dBm±2dB
DCS1800	30dBm±2dB
WCDMA	24dBm+1/-3dB
LTE FDD	23dBm±2dB
LTE TDD	23dBm±2dB

Sensitivity				
Frequency	Primary	Diversity	SIMO1	3GPP(SIMO)
EGSM900	-109.0dBm	/	/	-102.0dBm
DCS1800	-109.0dBm	/	/	-102.0dBm
WCDMA B1	-110.5dBm	/	/	-106.7dBm
WCDMA B5	-110.5dBm	/	/	-104.7dBm
WCDMA B8	-110.5dBm	/	/	-103.7dBm
LTE-FDD B1	-96.0dBm	-96.0dBm	-101.5dBm	-96.3dBm
LTE-FDD B3	-96.5dBm	-96.5dBm	-101.5dBm	-96.3dBm
LTE-FDD B5	-96.0dBm	-96.5dBm	-101.0dBm	-94.3dBm
LTE-FDD B7	-97.0dBm	-97.0dBm	-99.5dBm	-94.3dBm
LTE-FDD B8	-97.0dBm	-97.0dBm	-101.0dBm	-93.3dBm
GPS				
GPS Frequency	1575.42MHz			
BeiDou Frequency	1561.096±2.046MHz			
Protocol	NMEA 0183 v2.3			
Sensitivity	Track:-167dBm Catch:-160dBm Cold Start:-148dBm			
Cold Start	26S			
Hot Start	<10S			
Accuracy	Horizontal Position:Autonomous<2.5m average. SBAS < 2.0m average Velocity: 0.1 m/s Timepulse signal: RMS 30 ns			
Maximum Height	50000m			
Maximum Speed	515 m/s			
Acceleration	≤ 4G			
Update Frequency	1-10 Hz			

Standard Accessories					
					
Microphone	Antenna	Power Cable	Mounting Bracket	GPS Antenna	Screws

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