

PH600

Digital Radio



-
- Analog / DMR high featured radio
 - Loud And Clear Sound
 - Large Capacity Battery
 - Excellent Man-Machine Interface Design
 - 2-slot DMO, Mandown, optional Bluetooth and GPS
 - IP67
-

Specifications

General	
Digital Protocol	ETSI TS 102 361-1,-2,-3
Frequency	UHF1: 400-470MHz VHF: 136~174MHz
Channel Capacity	32
Zone Capacity	2
Channel Spacing	12.5kHz/20kHz/25kHz
Frequency Stability	±0.5ppm
Operating Voltage	7.4V
Battery Capacity	2600mAh (Standard) / 2000mAh (Optional)
Battery Life(5:5:90)	Analog: 18 hours Digital: 22hours
Size (H x W x D)	100*54.5*37.5mm (without antenna)
Weight	About 260g (With Antenna and Battery)
Vocoder	AMBE++
Bluetooth	Support BT2.1+EDR/4.0 (optional)
Location	GPS (optional)
Man down	Support
Vibration	Support
TF Card	Support
Real-time Clock	Support
Geomagnetic	Support
Optional Board	Support
Encryption	Support SW and HW Encryption (Optional)
Environmental	
Operating Temperature	-30°C ~ +60°C
Storage Temperature	-40°C ~ +85°C
ESD	IEC 61000-4-2 (level 4) ±8kV (Contact) ±15kV(Air)
Dust and Water Resistance	IP67
Reliability	MIL-STD-810 G
GPS	
Accuracy specs are for long-term tracking (95th percentile values>5satellites visible at nominal -130 dBm signal strength)	
TTFF (Time To First Fix) - Cold Start	<60s
TTFF (Time To First Fix) - Hot Start	<10s
Horizontal Accuracy	<10m






Receiver	
Sensitivity(Analog)	0.22uV(12dB SINAD)
Sensitivity(Digital)	0.22uV (5% BER)
Adjacent Channel Selectivity	60 dB@12.5kHz/70 dB@20/25kHz (TIA603A) -1T
	45dB@12.5kHz /70 dB@20/25kHz (TIA603D) -2T
	60dB@12.5kHz /70 dB@20/25kHz (ETSI)
Intermodulation	70 dB (TIA603D)
	65 dB (ETSI)
Spurious Rejection	70 dB (TIA603D)
	70 dB (ETSI)
Blocking or Desensitization	80dB(TIA603D)
	84dB(ETSI)
Co-channel Rejection	-12~0 dB @12.5kHz/-8~0 dB @20/25kHz
Hum and Noise	-40 dB@12.5kHz /-43 dB@20kHz /-45 dB@25kHz
Rated Audio Power	0.5W
Max Audio Power	2.0W
Audio Distortion @ Rated Audio	≤3% (Typical)
Audio Response	+1~-3dB (TIA603D)
Conducted Spurious Emission	-57 dBm (TIA603D)
Transmitter	
Low Power Output	1W
High Power Output	4W (UHF1) / 5W (VHF)
FM Modulation	12.5kHz: 11K0F3E / 20kHz: 14K0F3E / 25kHz: 16K0F3E
	12.5kHz Data Only: 7K60F1D&7K60FXD
4FSK Digital Modulation	12.5kHz Voice Only: 7K60F1E&7K60FXE
	12.5kHz Voice And Data: 7K60F1W
Conducted/Radiated Emission	-36dBm ≤1GHz ; -30dBm >1GHz
Modulation Limiting	±2.5kHz @12.5kHz /±4kHz @20kHz /±5.0kHz @25kHz
FM Hum and Noise	-40 dB@12.5kHz /-43dB@20kHz /-45 dB@25kHz
Adjacent Channel Power	60 dB@12.5kHz /70 dB @20/25kHz
Audio Distortion @ Rated Audio	≤3% (Typical)
Audio Response	+1~-3dB(TIA603D)

Remarks: The above specifications are in accordance with the applicable standard test, due to the continuous development of technology, in the future data may change without notice.

Standard Accessories

		
Belt Clipx1	Antennax1	2600mAhLi-ion Batteryx1
		
Power Adapterx1	Chargex1	

Optional Accessories

		
C type Earphone	Transparent Tube Earphone	USB Data Cable
		
Remote Microphone Speaker	Multi-units Charger	



Address:12F/Building G2, International E-City,Nanshan, Shenzhen, China, 518052
E-mail: caltta.sales@zte.com.cn Website: www.caltta.com

Privacy statement: As a device supplier and solution provider, Caltta complies with applicable laws and regulations when processing personal data, and adopts anonymization and data encryption technologies and necessary security management measures to ensure the security of personal data.