

GH910

Dual-Mode Smart Radio

- Dual-mode Trunking: DMR+Public LTE
- Small and Light, Easy to Carry
- Excellent HW Configuration and RF Performance
- Smart Radio with Android OS and Mass Applications
- Dual Display for Easy Operation
- Loud and Clear Sound, Large Capacity Battery
- High Reliability in Harsh Environment



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General Disclaimer

The specifications in this document are in accordance with the applicable standard test. There are a number of factors that could cause the actual results. Due to the continuous development of technology, Catta may change the information at any time without notice.

Technical Specifications

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General		
Technology		DMR Public LTE/WCDMA/GSM
	DMR	UHF1:400-470MHz; UHF3:350-400MHz
Frequency	Public LTE	TDD: B38/B39/B40/B41 FDD: B1/B3/B5/B7/B8
	WCDMA	B1/B8
	GSM	B2/B3/B5/B8
Size(H \times W \times D)		150×68×27mm (Without Antenna)
Weight		About 380g (With Antenna and Battery)
Display		Main: 4.0 inch color LCD, 800x480 Top: 0.9 inch B&W LCD
Key		PTT, Power, Dial, Hang up, Programmablex3, Android Functionx3, SOS
Battery		30.4Wh (4000mAh, 7.6V)
Interface		18pin Connector (for USB, Audio and so on) Battery Charging Connector
OS		Customized OS Based On Android5.1
Chipset		Qualcomm MSM8974AB
Memory(RAM+ROM)		3GB+128GB
External Memory		Support TF, Up to 128GB
Camera		Rear: 13M Pixels, with flash, AF, CMOS Front: 13M Pixels, CMOS
Bluetooth		BT 2.1+EDR/4.0
WLAN		WiFi 802.11b/g/n, 2.4G, Support WiFi Hotspot
Location		GPS,Glonass,BDS
NFC		Support
Speaker		Front: 30×40mm Professional Speaker
Mic		Support Noise Reduction with Multi Microphones
Sensor		Gravity, Distance, Light, Gyroscope, Geomagnetic
OTG		Support
Card Slot		SIMx2, TFx2
Charging		Desktop Charging Cradle
	Photo	Jpg , 3120×4208 max
	Video	3GP, 1080P, 30fps max
MultiMedia	Record	AMR
	Audio format	MIDI/AMR/MP3/AAC+/QCP/WAV/WMA
	Video format	MP4/H263/H264/3GP, 1080P, 30fps max

DMR Receiver			
Sensitivity(Analog)	0.22uV (12dB SINAD)		
Sensitivity(Digital)	0.22uV (5% BER)		
	60 dB@12.5KHz/70 dB@20/25KHz(TIA603A)-1T		
Adjacent Channel Selectivity	45dB@12.5KHz /70 dB@20/25KHz(TIA603D)-2T		
	60dB@12.5KHz /70 dB@20/25KHz (ETSI)		
the second tests of	70 dB (TIA603D)		
Intermodulation	65 dB (ETSI)		
Courious Dejection	70 dB (TIA603D)		
Spurious Rejection	70 dB (ETSI)		
Blocking or	80dB(TIA603D)		
Desensitization	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)		
DMR Transmitter			
DMR Transmitter			
DMR Transmitter	1W		
	1W 4W		
Low Power Output			
Low Power Output High Power Output	4W 12.5KHz: 11K0F3E / 20KHz: 14K0F3E / 25KHz:		
Low Power Output High Power Output	4W 12.5KHz: 11K0F3E / 20KHz: 14K0F3E / 25KHz: 16K0F3E		
Low Power Output High Power Output FM Modulation	4W 12.5KHz: 11K0F3E / 20KHz: 14K0F3E / 25KHz: 16K0F3E 12.5KHz Data Only: 7K60F1D&7K60FXD		
Low Power Output High Power Output FM Modulation	4W 12.5KHz: 11K0F3E / 20KHz: 14K0F3E / 25KHz: 16K0F3E 12.5KHz Data Only: 7K60F1D&7K60FXD 12.5KHz Voice Only: 7K60F1E&7K60FXE		
Low Power Output High Power Output FM Modulation 4FSK Digital Modulation	4W 12.5KHz: 11K0F3E / 20KHz: 14K0F3E / 25KHz: 16K0F3E 12.5KHz Data Only: 7K60F1D&7K60FXD 12.5KHz Voice Only: 7K60F1E&7K60FXE 12.5KHz Voice And Data: 7K60F1W		
Low Power Output High Power Output FM Modulation 4FSK Digital Modulation Conducted/Radiated Emission	4W 12.5KHz: 11 K0F3E / 20KHz: 14K0F3E / 25KHz: 16K0F3E 12.5KHz Data Only: 7K60F1D&7K60FXD 12.5KHz Voice Only: 7K60F1E&7K60FXE 12.5KHz Voice And Data: 7K60F1W -36dBm ≤1GHz ; -30dBm >1GHz		
Low Power Output High Power Output FM Modulation 4FSK Digital Modulation Conducted/Radiated Emission Modulation Limiting	4W 12.5KHz: 11K0F3E / 20KHz: 14K0F3E / 25KHz: 16K0F3E 12.5KHz Data Only: 7K60F1D&7K60FXD 12.5KHz Voice Only: 7K60F1E&7K60FXE 12.5KHz Voice And Data: 7K60F1W -36dBm ≤1GHz; -30dBm >1GHz ±2.5KHz@12.5KHz/±4KHz@20KHz/±5.0KHz@25KHz		
Low Power Output High Power Output FM Modulation 4FSK Digital Modulation Conducted/Radiated Emission Modulation Limiting FM Hum and Noise	4W 12.5KHz: 11K0F3E / 20KHz: 14K0F3E / 25KHz: 16K0F3E 12.5KHz Data Only: 7K60F1D&7K60FXD 12.5KHz Voice Only: 7K60F1E&7K60FXE 12.5KHz Voice And Data: 7K60F1W -36dBm ≤1GHz; -30dBm >1GHz ±2.5KHz@12.5KHz/±4KHz@20KHz/±5.0KHz@25KHz 40 dB@12.5KHz/±43dB@20KHz/-45 dB@25KHz		
Low Power Output High Power Output FM Modulation dFSK Digital Modulation Conducted/Radiated Emission Modulation Limiting FM Hum and Noise Adjacent Channel Power Audio Distortion	4W 12.5KHz: 11K0F3E / 20KHz: 14K0F3E / 25KHz: 16K0F3E 12.5KHz Data Only: 7K60F1D&7K60FXD 12.5KHz Voice Only: 7K60F1E&7K60FXE 12.5KHz Voice And Data: 7K60F1W -36dBm ≤1GHz; -30dBm >1GHz ±2.5KHz@12.5KHz /±4KHz@20KHz /±5.0KHz@25KHz 40 dB@12.5KHz /+43dB@20KHz /-45 dB@25KHz 60 dB@12.5KHz /70 dB@20/25KHz		
Low Power Output High Power Output FM Modulation AFSK Digital Modulation Conducted/Radiated Emission Modulation Limiting FM Hum and Noise Adjacent Channel Power Audio Distortion @ Rated Audio	4W 12.5KHz: 11 K0F3E / 20KHz: 14K0F3E / 25KHz: 16K0F3E 12.5KHz Data Only: 7K60F1D&7K60FXD 12.5KHz Voice Only: 7K60F1E&7K60FXE 12.5KHz Voice And Data: 7K60F1W 36dBm ≤1GHz; -30dBm >1GHz 4.25KHz@12.5KHz/±4KHz@20KHz/±5.0KHz@25KHz 60 dB@12.5KHz/70 dB@20/25KHz 33% (Typical)		
Low Power Output High Power Output FM Modulation FM Digital Modulation Conducted/Radiated Emission Modulation Limiting FM Hum and Noise Adjacent Channel Power Audio Distortion @ Rated Audio Audio Response	4W 12.5KHz: 11 K0F3E / 20KHz: 14K0F3E / 25KHz: 16K0F3E 12.5KHz Data Only: 7K60F1D&7K60FXD 12.5KHz Voice Only: 7K60F1E&7K60FXE 12.5KHz Voice And Data: 7K60F1W 36dBm ≤1GHz; -30dBm >1GHz 4.25KHz@12.5KHz/±4KHz@20KHz/±5.0KHz@25KHz 60 dB@12.5KHz/70 dB@20/25KHz 33% (Typical)		
Low Power Output High Power Output FM Modulation FM Digital Modulation dFSK Digital Modulation Conducted/Radiated Emission Modulation Limiting FM Hum and Noise Adjacent Channel Power Audio Distortion @ Rated Audio Audio Response Environmental	4W 12.5KHz: 11K0F3E / 20KHz: 14K0F3E / 25KHz: 16K0F3E 12.5KHz Data Only: 7K60F1D&7K60FXD 12.5KHz Voice Only: 7K60F1E&7K60FXE 12.5KHz Voice And Data: 7K60F1W -36dBm ≤1GHz; -30dBm >1GHz -36dBm ≤1GHz; -30dBm >1GHz 40 dB@12.5KHz /+43dB@20KHz /+45.0KHz@25KHz 60 dB@12.5KHz /-43dB@20/25KHz ≤3% (Typical) +1~-3dB(TIA603D)		
Low Power Output High Power Output FM Modulation FM Digital Modulation dFSK Digital Modulation Conducted/Radiated Emission Modulation Limiting FM Hum and Noise Adjacent Channel Power Audio Distortion @ Rated Audio Audio Response Environmental Operating Temperature Storage Temperature ESD	4W 12.5KHz: 11K0F3E / 20KHz: 14K0F3E / 25KHz: 16K0F3E 12.5KHz Data Only: 7K60F1D&7K60FXD 12.5KHz Voice Only: 7K60F1E&7K60FXE 12.5KHz Voice And Data: 7K60F1W -36dBm ≤1GHz; -30dBm >1GHz -36dBm ≤1GHz; -30dBm >1GHz -36dBm ≤12.5KHz /+43dB@20KHz /+45 dB@25KHz 60 dB@12.5KHz /+0 dB@20/25KHz 60 dB@12.5KHz /70 dB@20/25KHz -3% (Typical) +1~-3dB(TIA603D) -20°C ~ + 60°C -40°C ~ + 85°C		
Low Power Output High Power Output FM Modulation FM Digital Modulation dFSK Digital Modulation Conducted/Radiated Emission Modulation Limiting FM Hum and Noise Adjacent Channel Power Audio Distortion @ Rated Audio Audio Response Environmental Operating Temperature Storage Temperature	4W 12.5KHz: 11K0F3E / 20KHz: 14K0F3E / 25KHz: 16K0F3E 12.5KHz Data Only: 7K60F1D&7K60FXD 12.5KHz Voice Only: 7K60F1E&7K60FXE 12.5KHz Voice And Data: 7K60F1W -36dBm ≤1GHz; -30dBm >1GHz 4.36dBm ≤1GHz; -30dBm >1GHz -36dBm ≤1GHz; -36dBm ≤1GHz -370Gm =1000000000000000000000000000000000000		

Standard Accessories

