Specification

General	9			
Digital Protocol	ETSI TS102 361-1, -2, -3, -4(optional)			
Frequency	UHF1: 400-470MHz			
Channel Capacity	1024			
Zone Capacity	64			
Channel Spacing	12.5kHz/20KHz/25KHz			
Frequency Stability	±0.5ppm			
Operating Voltage	7.4V			
Battery Capacity	2600mAh(standard)			
Battery Life	Analog: 16 Hours Digital: 20 Hours (5: 5: 90 working cycle, high power transmission)			
Size (H x W x D)	100×54.5×36.5mm (without antenna)			
Weight	290g			
Screen	1.75-inch transflective LCD, 240×180			
Vocoder	AMBE++			
Bluetooth	BT2.1+EDR / 4.0 (optional)			
Location	GPS / Glonass (optional)			
Man down / Vibration	Support			
Real-time Clock	Support			
Encryption	Support 40bit basic encryption 128/256bit AES encryption is optional			

Environmental		•
Operating Temperature	-30°C ~ +60°C	
Storage Temperature	-40°C ~ +85°C	
ESD	IEC 61000-4-2 (level 4) ± 8 kV (Contact) ± 15 kV (Air)	
Dust and Water Resistance	IP68	
Reliability	MIL-STD-810G	

Reliability	MIL-STD-83	10G
GPS		•
Accuracy specs are for nominal -130 dBm sign	0	king (95th percentile values >5 satellites visible at
TTFF (Time to First Fix)	- Cold Start	<60s
TTFF (Time to First Fix)	- Hot Start	<10s
Horizontal Accuracy		<10m

Receiver			
Sensitivity (Analog)	0.18uV(12dB SINAD)		
Sensitivity (Digital)	0.18uV (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	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		
Rated Audio Distortion	≤3% (typical value)		
Audio Response	+1~-3dB (TIA603D)		
Conducted Spurious Emission	-57 dBm (TIA603D)		

	•	
1W/4W (UHF1/UHF3), 1W/5W (VHF)		
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		
≤3% (typical value)		
+1~-3dB(TIA603D)		
	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 <3% (typical value)	

The specifications in this document are in accordance with the applicable standard test. Due to the continuous technology development, Axiom may change the specifications without notice.













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Professional Digital Radio

Small in Size, Huge in Performance



Group Name







Features

Full Encryption

Support 40bit basic encryption. 128/256bit AES encryption are optional. It also supports lone worker, alarm, man-down and other functions to protect users' safety.

Loud and Clear Voice

With a 2W speaker and optimized audio design, AXP665 ensures clear communication even in a noisy environment.

Only 290g(antenna and battery included) in weight and 100mm in height. Portable and easy to operate. The surface is designed with anti-slip texture, making it comfortable to hold and anti-slip even in wet environments.

MIL-STD-810G rated, AXP665 is resistant to dropping and shocks at various levels.

Large-capacity Battery

With a 2600mAh large-capacity battery and digital power reduction technology, AXP665 can work for at least 20 hours in digital mode(5:5:90), meeting the needs of long work shifts.

Complete Services

In addition to basic DMR voice and data services, AXP665 also supports many optional features such as GPS/BDS, Bluetooth, VOX, etc.

Digital-and-analog compatible, AXP665 realizes the smooth evolution of the system. It also supports digital direct/repeater dual-time slots and automatic cross-site roaming.

IP68 Protection

IP68 rated, AXP665 is resistant to water and dust, ensuring normal operation in extreme environments.

Scenarios





Scenic Spot





Accessories

Standard











Desktop Charger

2600mAh Li-ion Battery

Power Adapter

Antenna

Optional















8-way Charger Bluetooth Earphone Bluetooth PTT Ring Transparent Tube Earphone C-Style Earphone Remote Microphone Programming Cable