

General Specification

Model	AXP780T
Frequency Range	VHF: 136-174MHz; UHF: 350-390MHz; 400-470MHz; 450-520MHz;
Channel Capacity	1600CH 100zone
Channel Spacing	25 kHz/12.5 kHz
Operation Temperature	-25°C~+60 °C
Frequency Stability	±2.5ppm
Operation Voltage	7.4VDC
Antenna Impedance	50Ω
Microphone Impedance	2.2KΩ
Battery Life (5-5-90 duty cycle)	1800mAh: Analog 13.9 hours Digital 17.5 hours 2200mAh: Analog 16.9 hours Digital 21.4 hours
Dimension (height*width*thickness)	126 mm * 53mm * 28.5mm
Weight	290g (with battery and antenna)


Receiver

Sensitivity	Analog	≤ 0.22uV(12dB SINAD)@25kHz
	Digital	≤ 0.25uV(12dB SINAD)@12.5kHz
		0.22uV (BER 5%)
SNR (Signal-To-Noise Ratio)	≥45 dB @25kHz	≥ 40 dB@12.5kHz
Adjacent Channel Selectivity	≥70 dB @25kHz	≥ 65 dB@12.5kHz
Intermodulation	≥65 dB @25kHz	≥ 60 dB@12.5kHz
Spurious Response Rejection	≥ 65 dB	
Audio Output Power	≥ 1000 mW	
Rated Audio Distortion	≤ 5%	




Transmitter

RF Power	H: UHF 4 W , VHF 5 W
	L: 1.5W
FM Modulation	25kHz: 16KΦF3E 12.5kHz: 8KΦF3E
4FSK Digital Modulation	12.5kHz data 7K60FXD
	12.5 kHz data and voice 7K60FXW
Digital Vocoder Type	AMBE++
Digital Protocol	ETSI-TS102 361-1,-2
	NXDN Part 1-A Common Air Interface Ver.1.3
Harmonic	≥ 70 dB
SNR (Signal-To-Noise Ratio)	≤ -45 dB@25kHz ≤ -40 dB @12.5kHz
Rated Audio Distortion	≤ 5%
Frequency Stability	±2.5 ppm
Max. Frequency Deviation	≤ 5 kHz@25kHz ≤ 2.5 kHz @12.5kHz

● All specifications are subject to change without notice due to continuous development.



Axiom Authorized Dealer



Axiom

14554 Valencia Ave

Fontana, Ca. 92335

Phone 909-346-2232

Michele@AxiomDistributionSolutions.com



# AXP780T

- ▶ Digital protocol option: **DMR**
- ▶ 1600 Channels, 100 Zone
- ▶ 2.2 inch large colorful screen
- ▶ IP67 dustproof and waterproof
- ▶ Man-down
- ▶ Lone Worker
- ▶ Optional: GPS / Beidou
- ▶ Optional: Intrinsically Safe





### DMR & analog dual mode, TDMA

2 slots in direct mode, 2 group of talking simultaneous at the same frequency.  
double efficiency for communication.  
save cost for frequency license application ensure the fluency at rush hour of communication.

### Selective call

User could generate the private call or group call by input the ID from the keypad convenient and efficient.

### Remote control

Versatile remote control function include: alarm, remote monitor, radio check, remote kill, remote stun, remote revive, call alert, text message, and work alone.

### Phone dial by DTMF

Via ABELL DMR repeater R-80, dial the cable phone or cell phone by DTMF input or One-click call.  
Provide effective inter-connection to public phone system.

### Man down

Cost-effective and potentially lifesaving way of detecting if a worker has suffered a fall or had an accident.

### Roaming

Switch frequency for communication automatically when use with the repeaters of different frequencies.

### Lone Worker

Provide safety requirements for lone working tasks to protect the lone worker.

### GPS position service in real-time (Optional)

GPS position tracking update in real time.

## Application



Government



Construction



Railway



Luxury Hotel



Property



Shopping mall

## Standard Accessories



Charger  
AXBC-780



Li-ion battery  
AXB-L1878 1800mAh



Belt clip  
AXC-780



Antenna  
AXA-D07-W02

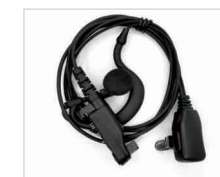


Hand strap  
AXR-255

## Optional Accessories



Multi-power Supply  
AXPS-CA6



Earphone  
NCM-PHYT5-EH



Programming cable  
PC AXP780



Li-ion battery  
AXB-L2278 2200mAh