



Specifications

General Specification

Frequency Range	VHF:136-174MHz UHF:400-480MHz 350-400MHz 450-520MHz
Channel Capacity	32CH
Channel Spacing	Analog: 12.5KHz/25KHz Digital: 12.5KHz
Operation Temperature	-25°C~+60 °C
Operation Voltage	7.5VDC
Antenna Impedance	50Ω
Microphone Impedance	2.2KΩ
Battery Capacity	Li-Ion DC7.4V 2200mAh
Standby Time	68 hours(2200mAh)
Dimension (Height/Width/Thickness)	116mm*54mm*31.2mm
Weight	136g(radio body) / 267g(with battery and antenna)
IP Rate	IP54

Transmitter

RF Power	H : 4 W L : 1.5 W
FM Modulation	25K/16KDF3E 12.5K/8KDF3E
4FSK Digital Modulation	12.5KHz Data7K60FXD 12.5KHz Data and Voice 7K60FXW
Digital Vocoder Type	AMBE++or SELP
Digital protocol	ETSI-TS102 361-1,-2
Harmonic	≥ 70 dB
SNR (Signal-to-Noise Ratio)	25K ₅ -45 dB 12.5K ₅ -40 dB
Rated Radio Distortion	≤5%
Frequency Stability	±2.5 ppm
Max.Frequency Deviation	25K ₅ ±5 kHz 12.5K ₅ ±2.5 kHz

Receiver

Sensitivity(12dB SINAD)	25K ₅ -122dBm 12.5K ₅ -122dBm
SNR	25K ₅ ±45 dB 12.5K ₅ ±40 dB
Adjacent Channel Selectivity	25K ₅ ±65 dB 12.5K ₅ ±60 dB
Intermodulation	25K ₅ ±60 dB 12.5K ₅ ±55 dB
Spurious Response Rejection	≥65 dB
Audio Output Power	≥1000 mW
Sensitivity Digital	0.18μV/BER5%
Rated Audio Distortion	≤ 5%
Frequency Stability	±2.5ppm

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



Axiom Authorized Dealer



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Super Loud, Long Endurance, Short Delay, High Reliability

Super loud

With the new sound cavity and circuit design, the AXP520T has clear and loud voice even in noisy environment, twice as loud as the previous model AXP520.

Long endurance

Low power consumption design, with 7.4V 2200mAh large -capacity lithium battery, standby time is up to 67.4 hours, 86.7% increased comparing with previous, digital 5-5-90 test battery life can be 27.4 hours, 50% improved comparing with previous, easily cope with staff who need to dispatch according to the general standard formula)

Short delay, quick response

The new optimized circuit design, AXP520T go online faster, with lower latency, and fast communication without losing words.

High reliability

Full Al-alloy chassis, PC+ABS housing, equipped with a full PC1414 GE formula plastic battery shell, greatly improves the drop and pressure resistance of the radio. IP55 rate improves the rainproof performance.

Dual mode (digital & analog)

Smooth transition from analog to digital.

Voice encryption

Voice encryption and scrambling provide privacy protection for users' calls.

Voice broadcast

Support channel and battery power level announcements, easy to know the current channel number and real-time battery level for timely charging.

TDMA 2 slots at direct mode

2 slots of 1 frequency can be used to 2 talk groups, reduce user frequency application and usage fees.

VOX (hands free)

Specific for users who are not available to push PTT key to talk, with the VOX feature user can activate the PTT by voice directly, without pressing PTT key.

Application



Shopping mall



Security



Hotel



Logistics and warehousing



Manufacturing



Construction

Standard Accessories



Charger
AXBC-780



Power Adapter



Li-ion battery
AB-L2252 2200mAh



Belt clip



Antenna



Hand strap

Optional Accessories



6BC-780 Multi AC adapter



Speaker Microphone



Earphone



Programming cable



Short Antenna