

Specifications

| General Specification | |
|--|---|
| Frequency Range | UHF:400-480MHZ PMR446 |
| 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 |
| Frequency Stability | ±1.5 ppm |
| Battery Capacity | Li-ion DCT.4V 1600mAh |
| Dimension <small>(height*width*thickness)</small> | 108.4mm*53.6mm*31.6mm |
| Weight | 130.25g(radio body) 220.4g(with battery and antenna) |

| Receiver | |
|------------------------------|-----------------------------------|
| Sensitivity(12dB SINAD) | ≤-121dBm @25KHz ≤-121dBm @12.5KHz |
| SNR(Signal-To-Noise Ratio) | ≥45 dB @25KHz ≥40 dB @12.5KHz |
| Adjacent Channel Selectivity | ≥65 dB @25KHz ≥60 dB @12.5KHz |
| Intermodulation | ≥60 dB @25KHz ≥55 dB @12.5KHz |
| Spurious Response Rejection | ≥65 dB |
| Audio Output Power | ≥1000 mW |
| Sensitivity(digital) | 0.18μV/BER5% |
| Rated Audio Distortion | ≤ 5% |

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

| Transmitter | |
|-----------------------------|---|
| RF Power | H : 4 W L : 1.5 W PMR446 : 0.5W |
| FM Modulation | 25K/16KΦF3E 12.5K/8KΦF3E |
| 4FSK Digital Modulation | 12.5KHz Data7K60FXD 12.5KHz Data and Voice 7K60FXW |
| Digital Vocoder Type | AMBE++ |
| Digital protocol | ETSI-TS102 361-1,-2 |
| Harmonic | ≥ 70 dB |
| SNR (Signal-to-Noise Ratio) | 25K: 45 dB 12.5K: 40 dB |
| Rated Radio Distortion | ≤5% |
| Max.Frequency Deviation | 25K: 5 kHz 12.5K: 2.5 kHz |



A420T Commercial DMR Radio

- Super High Cost-Effectiveness
- Super Long Stand-by Time
- Super Reliable for Daily Use

Dealer Area



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Application



Shopping mall



Property management



Hotel



Cafeteria



Construction



Manufacturing

Technical Highlights

Dual mode:digital & analog(smooth transition)

Supports both digital and analog modes, compatible with existing analog systems, ensuring a smooth transition from analog to digital products.

Ultra long battery life

Ultra-long standby time, no need to charge or replace battery frequently, 76 hours standby time, by 5-5-90 duty, usage time - analog: 15.9 hours, digital: 24.9 hours.

Voice encryption function

Provides voice encryption functions for the privacy of business users' calls.

Voice announcements

Support voice broadcast of channel number, power, battery capacity, etc., easy for users to understand the current channel and aware of low power, timely charge.

Channel scan

Supports analog and digital channels scanning individually or with each other

Emergency alarm

Various alarm modes: siren only (local alarm), normal (remote alarm) and secret alarm (no local siren, remote alarm secretly)

DMR mode

Support group call, individual call.

Transmit authority

The same frequency group can set the transmitting authority by choosing channel free, color code free, or sub-tone free (i.e., the channel is busy and transmitting is not allowed during the reception period, so you need to wait) to improve the efficiency of the call.

Standard Accessories



Charger Base
BC-51

Power Adapter

Li-ion battery
AB-L1642 1600mAh

Belt clip

Antenna

Hand strap

Optional Accessories



6-Way Power Supplier
CA-6

Earphone
AE-HS-T02

Short Antenna

Speaker Microphone
AM-MS-T