

### General Specification

|                                       |                                                                                                |
|---------------------------------------|------------------------------------------------------------------------------------------------|
| Model                                 | A720T                                                                                          |
| Frequency Range                       | UHF: 350-390MHz; 400-470MHz;<br>450-520MHz;<br>VHF: 136-174MHz                                 |
| Channel Capacity                      | 2 zone 32CH (16CH/zone)                                                                        |
| 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<br>(5-5-90 duty cycle)   | 1800mAh: Analog 13.9 hours Digital 17.5 hours<br>2200mAh: Analog 16.9 hours Digital 21.4 hours |
| Dimension<br>(height*width*thickness) | 126 mm * 53mm * 26.5mm                                                                         |
| Weight                                | 280g (with battery and antenna)                                                                |

### Receiver

|                              |               |                              |
|------------------------------|---------------|------------------------------|
|                              | Analog        | ≤ 0.22uV(12dB SINAD)@25kHz   |
| Sensitivity                  | Digital       | ≤ 0.25uV(12dB SINAD)@12.5kHz |
|                              | Digital       | 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  | ≥ 70 dB       |                              |
| Audio Output Power           | ≥ 1000 mW     |                              |
| Rated Audio Distortion       | ≤ 5%          |                              |

### Transmitter

|                             |                                                                   |
|-----------------------------|-------------------------------------------------------------------|
| RF Power                    | UHF:4W/VHF:5W<br>L: 1.5W                                          |
| FM Modulation               | 25kHz: 16KΦF3E 12.5kHz: 8KΦF3E                                    |
| 4FSK Digital Modulation     | 12.5kHz data 7K60FXD<br>12.5 kHz data and voice 7K60FXW           |
| Digital Vocoder Type        | AMBE++                                                            |
| Digital Protocol            | ETSI-TS102 361-1,-2<br>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.

Dealer Area



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## A720T

### Perfect Combination of Sci-tech and Art

- ◆ Digital protocol option: **DMR** or **NXDN** (Customized)
- ◆ High quality speaker, 1W audio power, louder and crisper;
- ◆ Strong anti-interference by discrete VCO and AFC solution;
- ◆ Battery: Li-ion 1800 mAh standard/ Li-ion 2200 mAh optional;
- ◆ IP67 dustproof and waterproof;
- ◆ Roaming
- ◆ Optional: Intrinsically Safe
- ◆ Optional: AES256 Encryption



## Products Features

### Elegant face

Ultra-slim design, elegant and handy.

### Standard of quality

Compliance with international standards CE and FCC.

### Solution and performance

Discrete VCO for RX narrow-band and sophisticated AFC (Auto Frequency Control) circuit design, ensure high anti-interference and excellent talking experience both in analog and digital mode.

### Material

High quality PC material from GE PLASTIC, integrated with elegant and robust Al-alloy chassis.

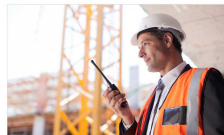
### Product details

We are the first manufacturer to adopt the double layer waterproof structure on antenna base and knobs. Besides all current contact pads are gold plated.

## Technical Highlights

- ◆ Dual mode (digital&analog);
- ◆ TDMA 2 slots at direct mode;
- ◆ Diversified remote emergency alarm;
- ◆ IP67 dustproof and waterproof, Complies with MIL-STD-810 C/D/E/F/G standards reliable for using in harsh environment.
- ◆ One touch call, including single call, group call, emergency call and so on;
- ◆ Up to 4 programmable keys, super convenient to program according to user's habit;
- ◆ Full Al-alloy chassis, rugged and durable;
- ◆ High quality 40MM 1W speaker with louder and crisper voice;
- ◆ Standard lithium battery 1800mAh high capacity, 2200mAh optional cover the need of ultra long time usage.

## Application



Construction



Education



Utilities



Security



Hotel



Shopping Mall

## Standard Accessories



Charger  
BC-780



Li-ion battery  
AB-L1878 1800mAh



Belt clip  
A-720T



Antenna



Hand strap

## Optional Accessories



Multi AC adapter  
6BC-780



Speaker Microphone  
AM-HH8-T



Speaker Microphone  
AM-H4-T



Earphone  
AE-HH8-T



Programming cable  
AD-UH8



Li-ion battery  
AB-L2278 2200mAh