# AI-C7L1

## Anti-Jamming Antenna

The AI-C7L1 anti-jamming antenna supports the reception of 7 channels of B1/L1 frequency signals and provides combined output after anti-jamming processing of the B1/L1 frequency signals. The antenna effectively suppresses wideband, narrowband, multi-tone, single-tone, sweep, pulse, and other suppression-type interferences at the B1/L1 frequencies. It is mainly designed for vehicle-mounted low-cost applications and small-sized UAV platforms.

- **Frequency Bands**

  B1/L1 Reception Bandwidth: 1568±10MHz

- **Power Consumption:** ≤ 13W

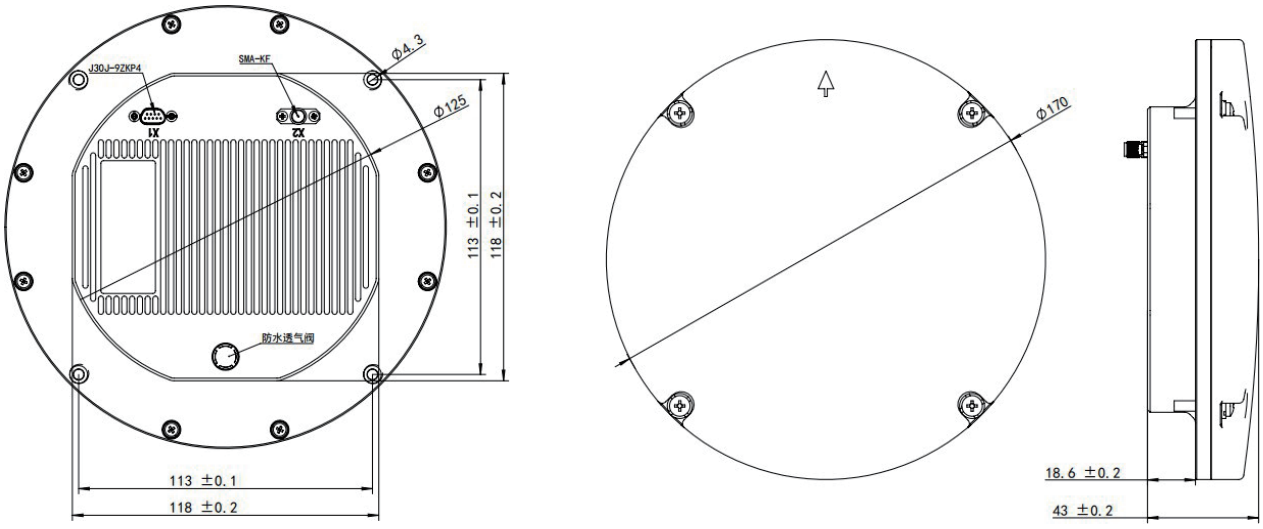
## Specifications

| | | |
|---|---|---|
| Performance | B1/L1 Anti-jamming Performance | Single-Jammer Suppression: ≥105dB; |
| | | 3-Jammer Suppression: ≥ 95dB; 6-Jammer Suppression: ≥ 90dB |
| | Antenna Output Power | -50~-70dBm |
| Physical | Power Supply and I/O Interface | J30J-9ZK |
| | Dimensions | 170*170*43mm |
| | Weight | 700g±20g |
| | Color | Gray |
| | Operating Temperature | -40℃ ~ +85℃ |
| | Storage Temperature | -55℃ ~ +85℃ |
| Electrical | +9~24V (default +12V) input, power consumption less than 13W | |

# AI-C7L1

Website Social Media

## Structural




## Interfaces

| X1: J30J-9ZK Interface Definition | | |
|---|---|---|
| **No.** | **Name** | **Remarks** |
| 1 | Power Input | +9V~+24V |
| 2 | Power Input | +9V~+24V |
| 3 | Power Ground | GND |
| 4 | Power Ground | GND |
| 5 | 232 Receive | RXD |
| 6 | 232 Transmit | TXD |
| 7 | NC | NC |
| 8 | NC | NC |
| 9 | NC | NC |
| X2: SMA - K (RF Output) | | |