

2.4 GHz Omni-directional RFID Reader (MR3102E) Specifications

- **Antenna:** 2dBi, dual polarization.
- **Design:** Ceiling mount with double polarization to minimize signal blind areas.
- **Performance:** Dual high-performance RF transceiver chips for high reading speed and stability.
- **Applications:** Ideal for indoor attendance, access control, goods logistics tracking, and assets inventory management.
- **Compatibility:** Works with all RealTrack RFID active tags.

Technical Parameters:

- **Material:** ABS.
- **Dimensions:** 92* Φ 110mm.
- **Weight:** 200g.
- **Installation:** Wall-mounted, ceiling fixed.
- **Indicator:** Buzzer.
- **Color:** White.
- **Identification Type:** Omni-directional, 360-degree coverage.
- **Signal Modulation:** GFSK.
- **Traffic Rate:** 1Mbit/s.
- **Frequency:** 2440MHz.
- **Reading Range:** 20cm to 80m radius.
- **Max Receive Sensitivity:** -90dBm.
- **Antenna Gain:** 2dBi, dual polarization.
- **SDK Language:** C# & C++.
- **Protocol:** RealTrack RFID protocol.
- **Communication Interface:** RS232 (with TCP to RS232 converter needed), TCP/IP 10/100M self-adaption.
- **Power Supply:** 9V DC, 350mA working current.
- **Certifications:** CE, FCC.