

UHF 9DBI Outdoor Antenna



The UHF 9dBi Antenna Reader offers easy integration with existing RFID systems, thanks to its user-friendly interface and configurable settings. Its compact size and versatile mounting options make it suitable for deployment in warehouses, distribution centers, retail stores, and manufacturing facilities. Its high-performance reading capabilities and reliable operation, the 2CQR-9AI UHF 9dBi Circular Antenna Reader provides a cost-effective solution for businesses looking to improve their RFID tracking operations.

Specifications

| Parameter | Technical Specs |
|----------------------------|--|
| Frequency | 868-868MHz (EU) 902~928MHz (US) |
| Reading distance | 0-10 meters (depending on reader and tag) |
| Gain | 9dBi |
| Back connector model | N-type female |
| Radiation angle | Horizontal: 60° Vertical: 55° |
| Polarization mode | Circular polarization |
| Bandwidth | 100MHz |
| Maximum power | 100W |
| Wind resistance | 60 m/s |
| Front-to-back ratio F/B | ≥23 |
| Lightning protection | DC grounding |
| Impedance | 50 Ω |
| Standing wave ratio | ≤1.3 |
| Antenna cover material | ABS |
| Reflector material | Aluminum Alloy |
| Weight | 0.6kg |
| Size | 257*257*33mm |
| Read Range Handheld Reader | Up to 8m (Reader & Chip Dependent) |
| Operating temperature | -40~80°C |
| Protection level | IP67 |
| Standard accessories | Antenna*1, mounting bracket*1, 3m feeder*1 |
| Pole diameter | Φ40-Φ75 Pole |