

UHF RFID Antenna

Ant-RC12-455/455



2 years **warranty**

QUALICA-RD 12 dBi

Antenna 12dBi (UHF-RFID): 30 meters maximum distance.

Qualica-RD 12dBi Panel Antenna [Ant-RC12]. Characterized by high sensitivity, superior reading performance and readability, long distance reading of bulk tags. It has IP67 protection degree and good waterproofness.

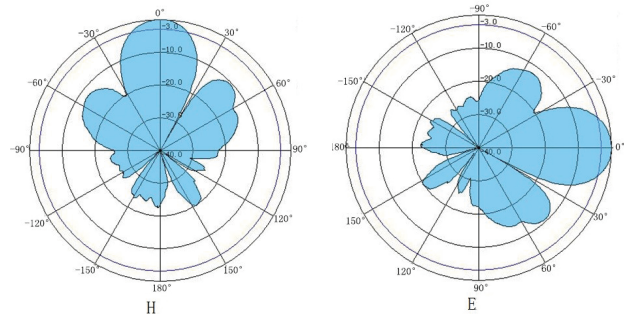
These parameters make the device perfectly suited for maximum performance in a wide range of industries such as; intelligent transportation, warehousing, event management, production line management, inventive retail strategies, financial management and medical equipment management, etc.



Antenna 12dBi UHF-RFID (Ant-RC12-455/455)

Features

- Attractive design, convenient to install and use.
- Fast reading and writing, long distance.
- IP67.
- Antenna cables (optional, customizable):
 - Ant-CA-SMA.M/N.M-LMR2-1M
 - Ant-CA-SMA.M/N.M-LMR2-5M
 - Ant-CA-SMA.M/N.M-LMR2-15M
 - Ant-CA-SMA.M/N.M-LMR4-5M
 - Ant-CA-SMA.M/N.M-LMR4-15M



Technical Specifications

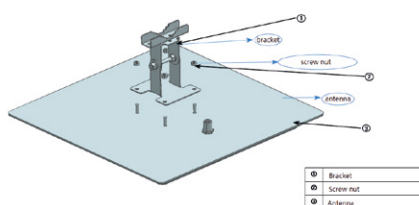
Electrical	
Frequency Range	902-928MHz / 865-868MHz
Polarization Type	RHCP
Gain	12 dBi
3dB Beam-Width. H-Plan	40°
3dB Beam-Width. E-Plan	38°
VSWR	≤1.3
Front to back Ratio	≥17dB
Input Impedance	50Ω
Max Input Power	20W
Lightning Protection	DC Grounded

Mechanical	
Connector Type	N-Type Female
Dimensions H*W*D (mm)	445*445*30(mm)
Weight	2.66kg(with mounting bracket)
Radome Material	ABS
Radome color	Off-white
Radiant board material	aluminum
Operating Temperature	-40°C/+60°C
Sealing	IP67
Installation mode	Pole mounted
Support Pole Diameter	φ30-φ50(mm)
Rated Wind Velocity	60 m/s

Installation diagram:

The antenna can be installed on the steel frame or pillar through its own bracket, and connected to the reader through the coaxial line. The antenna can be installed horizontally or vertically, depending on the installation orientation of the bracket.

1. Attach the bracket to the antenna with a quarter US flange nut.



After installation, the tilt angle of the antenna can be adjusted according to the actual situation to obtain the best reading performance. The antenna can be used outdoors, but is not suitable for use in acidic environments.

2. Fix the antenna to a vertical steel frame or pillar with an M8 * 125mm bolt, washer and nut.

