

UHF RFID Antenna

Ant-RC05-145/145



2 years **warranty**

QUALICA-RD 5 dBi

Antenna 5dBi (UHF-RFID): 15 meters maximum distance.

Qualica-RD 5dBi panel Antenna portable and compact with excellent performance. It has a front-to-back ratio, narrow side lobe and 5dBi gain. It can operate stably and read multiple tags in moderate range accurately and quickly with high data security guarantee.

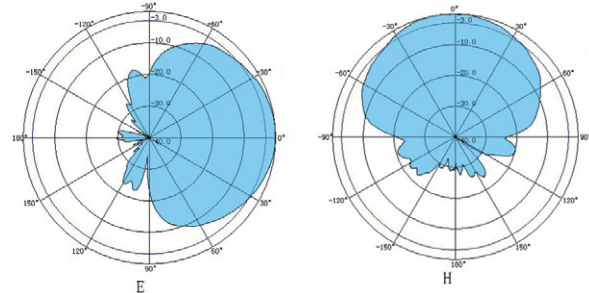
Visually, this antenna is small, lightweight and low profile, making it easy to install. It is IP67 certified. This antenna could be advantageous in a variety of industries, such as logistics, warehousing, access control, material management, etc.



Antenna 5dBi UHF-RFID (Ant-RC05-145/145)

Features

- High performance, light weight and small size.
- Fast reading and writing, no blind zone identification.
- Multi-label.
- Antenna cables (optional, customizable):
 - Ant-CA-SMA.M/SMA.M-LMR2-1M
 - Ant-CA-SMA.M/SMA.M-LMR2-5M
 - Ant-CA-SMA.M/SMA.M-LMR2-15M
 - Ant-CA-SMA.M/SMA.M-LMR4-5M
 - Ant-CA-SMA.M/SMA.M-LMR4-15M



Technical Specifications

Electrical

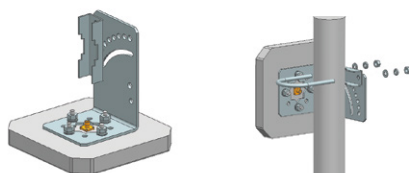
Frequency Range	902-928MHz / 865-868MHz
Polarization Type	RHCP
Gain	5dBi
3dB Beam-Width, H-Plan	80°
3dB Beam-Width, E-Plan	70°
VSWR	≤1.3
Front to back Ratio	≥17dB
Input Impedance	50Ω
Max Input Power	20W
Lightning Protection	DC Grounded

Mechanical

Connector Type	SMA female
Dimensions H*W*D (mm)	145*145*20(mm)
Weight	0.73kg(with mounting bracket)
Radome Material	ABS
Radome color	white
Radiant board material	aluminum
Operating Temperature	-40°C/+60°C
Sealing	IP67
Installation mode	Pole mounted or Wall mounted
Support Pole Diameter	φ30-φ50(mm)
Rated Wind Velocity	60m/s

Pole mounting:

Attach the bracket to the antenna with an M5 nut, flat washer and spring washer. Then attach the antenna to the support rod with the U-bolt, flat washer, spring washer and fasteners.



Wall mounting:

Fix the antenna to the wall or any plane with M3*16 round head self-tapping screw.

