Technology Solutions for Retail



UHF RFID Antenna

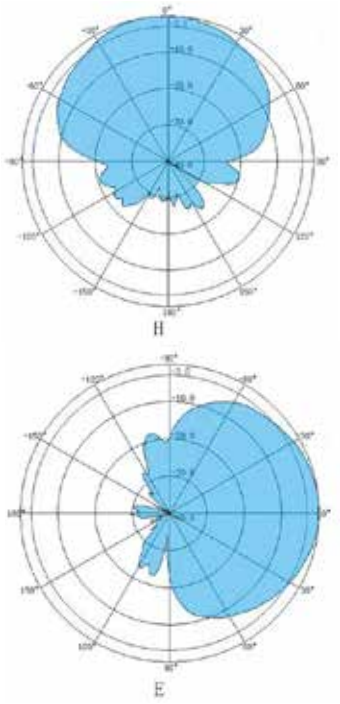
Ant-RC05-145/145

Application:

★ Logistic & warehouse Management, Forklift commodity reading
★ Access Control
★ Production line & shelves Management
★ Material management, Healthcare, Eletricity, Military equipment, Finance, Tickets, Animal Husbandry

Features:

★ High Performance, Low Front to back Ratio, narrow Sidelobe, Attractive
★ Light weight, small size, Low Profile Install and use conveniently
★ Fast read & write, no Blind zone identification Multi-tags, high performance
★ IP67



Order Description:

★865-868MHz: Ant-RC05-145/145-EU
★902-928MHz: Ant-RC05-145/145-CA

Available Accessories:

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

Mounting sets(optional):

Pole mounting bracket: Ant-MOT-RC05-145/145-P
Wall mounting bracket: Ant-MOT-RC05-145/145-W

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Specification

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

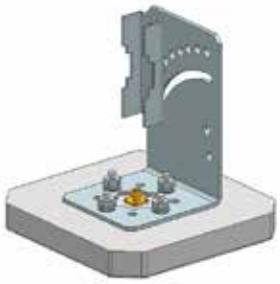
Mechanical

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

Installation diagram:

Pole mounted:

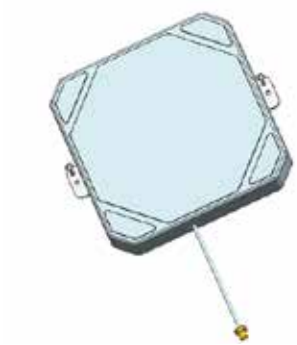
Fix the bracket on the antenna with M5 nut, flat washer and spring washer. Then fix the antenna on the support rod with the U-bolt, flat washer, spring washer and fixings.





Wall mounted:

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





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