

RFR-ANT-0801-CE

ANTENNA

The RFRain Antenna (RFR-ANT-0801) is a perfect fit for any type of application in the EU region and supports both indoor and outdoor environment. The circularly polarized antenna operates at 8.9 dBi gain.



Key Features & Benefits

- Low profile with high gain
- Maximum efficiency and performance across the entire frequency band
- 10" x 10" x 1"
- IP67

Applications

- Access Control
- Fleet management
- warehouse management
- intelligent management of traffic

OVERVIEW

The RFRain Antenna (RFR-ANT-0801-CE) is a perfect fit for each type of application and supports both indoor and outdoor environments. The circularly polarized antenna operates at 8.9 dBi gain, and a covers 62.45° x 62.45 beamwidth.

ELECTRICAL

Frequency Range	865 - 867.5 MHz
Gain	8.9 dB
VSWR	<1.41:1 (max)
Max. Return Loss	<-15.39 dB
Efficiency	>90 %
Polarization	RHCP
Elevation Beamwidth	62.45° ± 2°
Azimuth Beamwidth	62.45° ± 2°
Sidelobes Level	-13.9 dB
Front to Back Ratio	15.15 dB
Power	10W (max)
Input Impedance	50 ohms
Axial Ratio	< 3 dB
Radiation Properties	Directional
Lightning Protection	DC Grounded

MECHANICAL

Dimensions	10" x 10" x 1" / 254 x 254 x 25.4 mm
Connector	RP-TNC
Weight	1.54 lb / 0.7 kg
Radome Material	ABS plastic
Mount Type	Four threaded studs
Orientation	Rectangular

ENVIRONMENTAL

Operating Temp	-55°C to +71°C
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RADIATION PATTERN

