



RFID Antenna with Die Cast Enclosure DCE9028

10" x 10" WEATHERPROOF ENCLOSURE OFFERS SIX OPTIONS OF INTEGRATED RFID ANTENNAS FROM 860-960 MHz



The DCE9028 from RFMAX is an innovative antenna system that gives the operator ultimate system flexibility. The radome is UV resistant ASA plastic, the hardware is stainless steel, and the mounting plate inside for adding electronics is removable and customizable by the user.

The die-cast enclosure can be pole or wall mounted. A heavy duty tilt bracket is included for those installations requiring up or down tilt. Eleven (11) engineered knockouts are provided; nine sized for N connectors, and two sized for a cable feed through.

This series of enclosures is available with a choice of six different circularly polarized UHF antennas integrated into the Radome cover. These antennas cover the standard 902-928 MHz, 865-868 MHz RFID frequencies, as well as a wide band version that covers 865-960 MHz. All are available in a choice of RH and LH circular polarization. These antennas feature very low VSWR, axial ratio, and a fixed SMA connector.

FEATURES

- 11 engineered knockouts
- IP 67 Rated
- Rugged and weatherproof
- Hinged cover for easy maintenance
- Choice of six high-performance, circularly-polarized antennas

MARKETS

- Outdoor installations
- Loading docks
- Warehouses
- Parking gates
- Car washes
- Industrial / wet locations



| Specifications | DCE9028PR / L | DCE8658PR / L | DCE8658WPR / L |
|----------------|---------------|---------------|----------------|
|----------------|---------------|---------------|----------------|

| | | | |
|--------------------------|-----------------------------|-----------------------------|-----------------------------|
| Frequency: | 902-928 MHz | 865-870 MHz | 865-960 MHz |
| Gain: | 9 dBic | 8.5 dBic | 8.5 dBic |
| 3 dB Beamwidth | 70° x 70° | 70° x 70° | 65° x 65° |
| Polarization: | Right or Left Hand Circular | Right or Left Hand Circular | Right or Left Hand Circular |
| VSWR: | <1.3:1 | <1.5:1 | <1.40:1 |
| Front-to-Back Ratio | 20 dB | 18 dB | 18 dB |
| Axial Ratio | 1 dB | 1 dB | 1 dB |
| RF Connector: | SMA (female) | SMA (female) | SMA (female) |
| Power Rating: | 10 W | 10 W | 3 W |
| Radome: | ASA | ASA | ASA |
| Dimensions: | 12.5" x 10.4" x 3.9" | 12.5" x 10.4" x 3.9" | 12.5" x 10.4" x 3.9" |
| Weight: | 2.4 kg | 2.4 kg | 2.4 kg |
| Operational Temperature: | -30°C to +75°C | -30°C to +75°C | -30°C to +75°C |
| Mount Style: | Wall / Mast / Tilt | Wall / Mast / Tilt | Wall / Mast / Tilt |

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www.rfmax.us

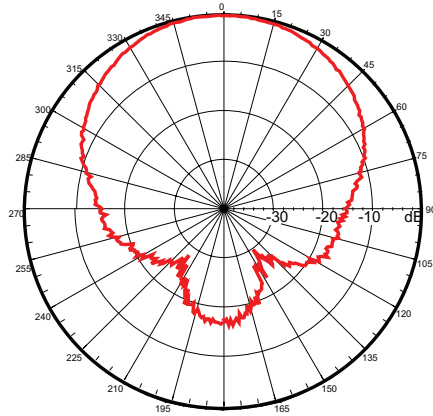
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ANTENNA PATTERN



865 MHz 5.46 dBi Linear A

ORDERING INFORMATION

| | | |
|----------------|-----------------------------------|--|
| DCE9028PRFSMF | Antenna with integrated enclosure | right hand CP 902-928 MHz 9 dBic panel antenna |
| DCE9028PLFSMF | Antenna with integrated enclosure | left hand CP 902-928 MHz 9 dBic panel antenna |
| DCE8658PRFSMF | Antenna with integrated enclosure | right hand CP 865-868 MHz 8.5 dBic panel antenna |
| DCE8658PLFSMF | Antenna with integrated enclosure | left hand CP 865-868 MHz 8.5 dBic panel antenna |
| DCE8658WPRFSMF | Antenna with integrated enclosure | right hand CP 865-960 MHz 8.5 dBic panel antenna |
| DCE8658WPLFSMF | Antenna with integrated enclosure | left hand CP 865-960 MHz 8.5 dBic panel antenna |

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