



Smart Technology. Delivered.

# RFID HD RooTenna®

## 10 X 10 Die-Cast Enclosure RFID Antennas



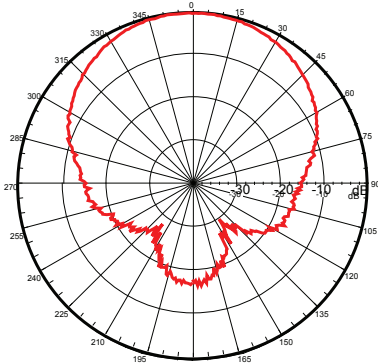
### DCE ENCLOSURE OFFERS SIX OPTIONS OF INTEGRATED RFID ANTENNAS COVERING 860-960 MHz

The RFID HD RooTenna® from Laird Technologies 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 available 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 antennas 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.

### ANTENNA PATTERN



865 MHz 5.46 dBi Linear A

### FEATURES

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

### MARKETS

- Outdoors
- Loading docks
- Warehouses
- Mast mounted
- Side of building
- 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	18dB	18dB
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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