



Innovative **Technology**
for a **Connected** World

HD RooTenna®

10 X 10 Die-Cast Enclosure Antennas



HD ROOTENNA® ENCLOSURE OFFERS 900 TO 5850 MHZ OPERATION OPTIONS

The HD RooTenna® from Laird Technologies is an innovative antenna system which gives the operator ultimate system flexibility. The die-cast enclosure is available as a stand-alone enclosure, with an integrated low-gain antenna or with a detachable high-gain panel antenna. Antennas are wide band for spectral flexibility.

Radomes are UV resistant ASA plastic. Hardware is stainless steel. The antenna systems come with a pigtail cable with choice of connectors to adapt to any available radio equipment. There is a removable and customizable user mounting plate inside for mounting electronics. The antenna models come standard with Laird Technologies patented RJ45-ECS field replaceable ethernet connector feedthru.

The die-cast enclosure can be pole or wall mounted. A heavy duty tilt bracket is available for those installations requiring up or downtilt. Eleven (11) engineered knockouts are provided; 9 sized for N connectors and 2 sized for a cable feedthru.

FEATURES

- 11 engineered knockouts
- Wide band antennas
- Rugged and weatherproof
- Hinged cover for easy maintenance
- IP 67 Rated
- Integrated low gain or detachable high gain antenna in variety of frequencies and gains

MARKETS

- WiFi / WLAN / WiMAX systems
- Industrial wireless
- Mesh networks
- Wi-POP base stations
- Client antennas
- Industrial wet process electrical enclosure

global solutions: local support™

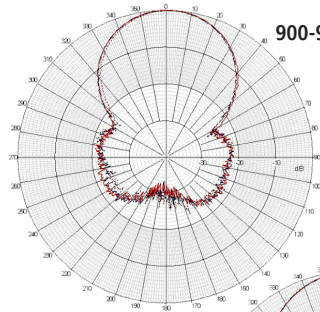
Americas: +1.847.839.6907
IAS-AmericasEastSales@lairdtech.com

Europe: +1.32.80.7866.12
IAS-EUSales@lairdtech.com

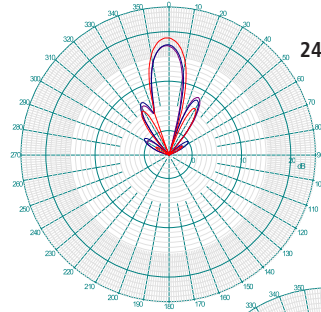
Asia: +1.65.6.243.8022
IAS-AsiaSales@lairdtech.com

www.lairdtech.com

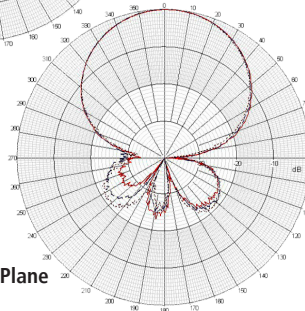
ANTENNA PATTERNS



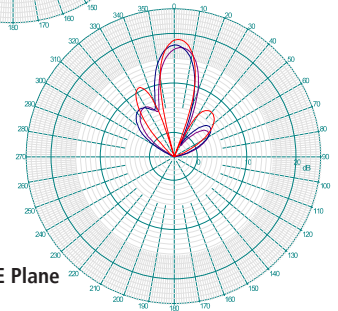
900-928 MHz H Plane



2400 MHz H Plane



900-928 MHz E Plane



2400 MHz E Plane



SPECIFICATIONS	900-928	2400-2700
Gain (integrated antenna)	8dBi	15dBi
Gain (detachable antenna)	12dBi	19dBi
VSWR	1.5:1	1.5:1
Impedance		50 OHM
Input Power		100 W
Wind Survivability	Die-cast enclosure (150mph); Detachable antenna (125mph)	
Weight (die-cast enclosure)	4.5lb (2kg)	
Weight (detachable antenna)	3lb (1.4kg)	
Dimensions (inside)	10" x 10" x 2" (254 x 254 x 51 mm)	
Dimensions (outside)	12.3" x 11.5" x 3" (311 x 292 x 76 mm)	
Dimensions (detachable antenna)	16.13" x 14.63" x 1.3" (410 x 371 x 32 mm)	

SYSTEM ORDERING INFORMATION

DCE10D-912-xxxx	HD RooTenna® enclosure with detachable 900-928MHz 12dBi panel antenna
DCE10D-2419-xxxx	HD RooTenna® enclosure with detachable 2400-2700MHz 19dBi panel antenna
DCE10I-985-xxxx	HD RooTenna® enclosure with integrated 900-928MHz 8dBi panel antenna
DCE10I-2416-xxxx	HD RooTenna® enclosure with integrated 2400-2700MHz 15dBi antenna
DCE10-H-001	HD RooTenna® hinged die-cast enclosure only

(xxxx = connector type - NF, SFMF, RSMM, MCM, MMCXP, RTNM, RMMXP, SSMB and UFL)

ANT-DS-HD-ROO 0409

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