



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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™

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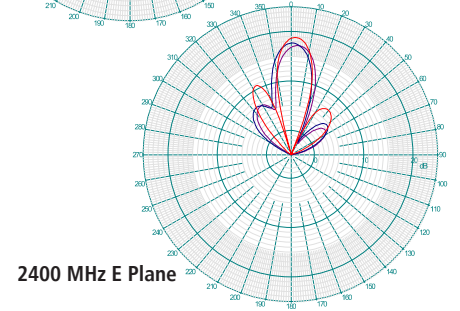
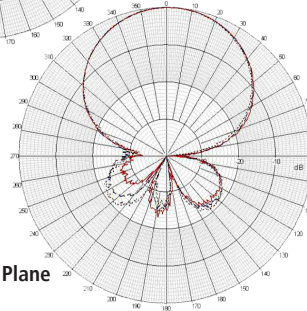
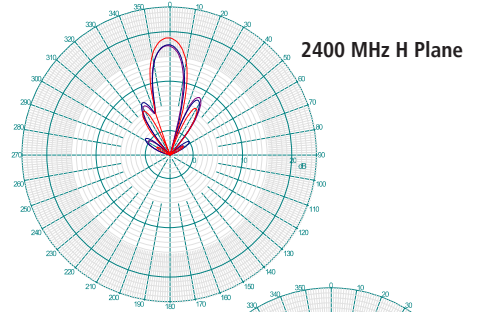
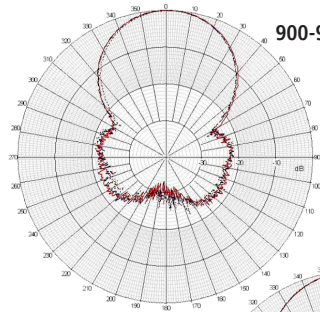
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HD RooTenna® 10 X 10 Die-Cast Enclosure Antennas

ANTENNA PATTERNS



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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