



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

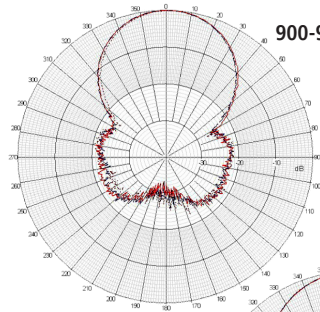
Europe: +1.32.80.7866.12
IAS-EUSales@lairdtech.com

Asia: +1.65.6.243.8022
IAS-AsiaSales@lairdtech.com

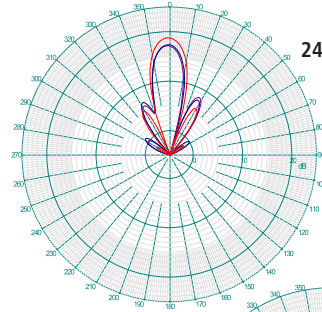
www.lairdtech.com

HD RooTenna® 10 X 10 Die-Cast Enclosure Antennas

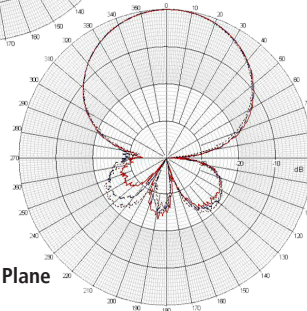
ANTENNA PATTERNS



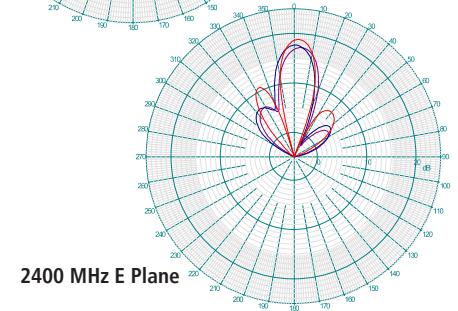
900-928 MHz H Plane



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

Any information furnished by Laird Technologies and its agents is believed to be accurate and reliable. Responsibility for the use and application of Laird Technologies materials rests with the end user since Laird Technologies and its agents cannot be aware of all potential uses. Laird Technologies makes no warranties as to the fitness, merchantability, or suitability of any Laird Technologies materials or products for any specific or general uses. Laird Technologies shall not be liable for incidental or consequential damages of any kind. All Laird Technologies products are sold pursuant to the Laird Technologies terms and conditions of sale in effect from time to time, a copy of which will be furnished upon request. All Laird Technologies' products are sold pursuant to the Laird Technologies' domestic terms and conditions of sale in effect from time to time, a copy of which will be furnished upon request.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Antennas](#) category:

Click to view products by [Laird Connectivity](#) manufacturer:

Other Similar products are found below :

[GAN30084EU](#) [930-033-R](#) [GW17.07.0250E](#) [1513563-1](#) [EXE902SM](#) [APAMPG-117](#) [MAF94383](#) [W3908B0100](#) [W6102B0100](#) [YE572113-30RSMM](#) [108-00014-50](#) [66089-2406](#) [SPDA17RP918](#) [A09-F8NF-M](#) [A09-F5NF-M](#) [RGFRA1903041A1T](#) [W3593B0100](#) [W3921B0100](#) [SIMNA-868](#) [SIMNA-915](#) [SIMNA-433](#) [W1044](#) [W1049B090](#) [A75-001](#) [WTL2449CQ1-FRSMM](#) [CPL9C](#) [EXB148BN](#) [0600-00060](#) [TRA9020S3PBN-001](#) [Y4503](#) [GD5W-28P-NF](#) [MA9-7N](#) [GD53-25](#) [GD5W-21P-NF](#) [C37](#) [MAF94051](#) [MA9-5N](#) [EXD420PL](#) [B1322NR](#) [QWFTB120](#) [MAF94271](#) [MAF94300](#) [GPSMB301](#) [FG4403](#) [AO-AGSM-OM54](#) [5200232](#) [MIKROE-2349](#) [WCM.01.0111](#) [MIKROE-2393](#) [MIKROE-2352](#)