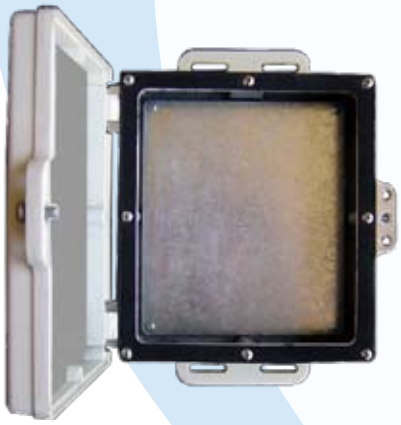
Laird TECHNOLOGIES

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

DCE-ANT Series

NEMA 6 Rated Die-Cast Enclosure Antennas

IAS Systems



10" X 7.1" X 2.25" Die-Cast Waterproof Enclosure

The DCE-ANT series die-cast aluminum enclosures with integrated antenna from Laird Technologies are designed for extremely long life in outdoor environments. The powder coat paint over aluminum construction offers unsurpassed resistance to corrosion. The hinged cover/antenna radome is constructed of UV resistant plastic. The pole mount hardware includes heavy galvanized pole clamps and stainless steel U-bolts and attachment nuts. The die-cast enclosure has extra heavy duty mounting flanges for reliable mounting to poles or surface mounting to walls.

The most unique feature is the inclusion of 8 engineered hole knockouts which allow for many different configurations of connectors and feedthru's without the need for drilling holes. The knockouts are easily removed using a Flat Blade Screwdriver and hammer. The enclosures have qty. 4 threaded ¼" tall standoffs in the base for mounting a user plate (included), which in turn can hold the users electronics. This configuration provides universal mounting which is fully customizable by the user.

FEATURES

- Integrated VPOL antennas in UV plastic hinged cover

Choice of:

- 2400-2700MHz 12dBi Wide Band VPOL
- 4940-5850MHz 19dBi Wide Band VPOL
- 2400-2485, 4940-5850MHz Dual Band 12/15 dBi VPOL
- 2300-2700MHz 14 dBi VPOL
- 3300-3800MHz 16 dBi VPOL
- Die cast aluminum enclosure with white epoxy powder coat paint
- Qty 8 engineered hole knockouts for many possible configurations. No drilling required!
- Qty 4 0.25" tall threaded standoffs and mounting plate for mounting of electronics inside enclosure
- Pole mount or wall mount
- Nema 6 rated for long term weatherproofing
- Various connector configurations available from stock

MARKETS

- Wireless base stations
- Wireless client radios
- Mesh networks
- Public safety wireless systems
- 802.11 a/b/g wireless systems
- 2.5GHz WiMAX

global solutions: local support™

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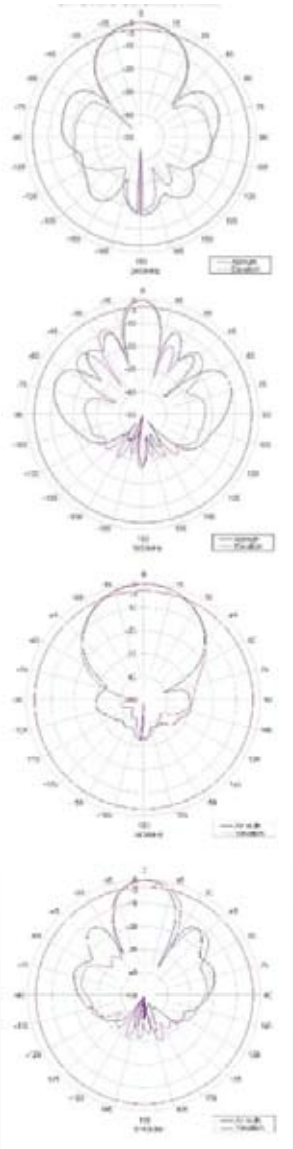
Nema 6 Die-Cast Enclosure

Specifications	
Knockouts (Qty 8)	Qty 2 0.810" diameter Qty 6 0.625" diameter
Knockout Locations	Qty 3 on bottom, Qty 3 on right side, Qty 1 on top and Qty 1 in back
Internal Standoffs	(Qty 4) 8-32 tapping, 6.5" x 5.5" centers, 0.25" height
Useable Interior Space	7.125" x 6.125" x 2" (181 x 156 x 51mm)
Mounting	1" to 2" pole using included bracket kit, or wall mount using user supplied screws
Cover Seal	High performance EPDM gasket
Solar Heat Rise	Internal temperature ≤ 4 deg C above external ambient
Overall Size (L x W x H)	10" x 7.1" x 2.25" (254 x 180 x 57mm)
Weight	40oz (1.13kg)

Antenna Patterns



Nema 6 Enclosed Antennas

MODEL	Frequency (MHz)	GAIN (dBi)	Bmwidth (deg)	VSWR	Impedance (Ohms)	Input (watts)
DCE-ANT2412	2400-2485	12	35	1.5:1	50	10
DCE-ANT5819	4940-5850	19	15	1.5:1	50	10
DCE-ANT2314	2300-2700	14	30	2.0:1	50	10
DCE-ANT3516	3300-3800	16	30	1.7:1	50	10
DCE-ANT2458 **Dual Band**	2400-2485 4940-5850	12 15	43 22	1.5:1	50	10

RoHS compliant

ANT-SPEC-DCE-ANT 1008

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