Laird TECHNOLOGIES

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

"Rubber Duck" Omni Antenna
IN24-5RD

2.4 GHZ APXTENDER "RUBBER DUCK" ANTENNA

The 5.5 dBi APXtender indoor rubber duck omnidirectional antenna is used to extend the range of indoor access points or client bridges in 802.11 2.4GHz wireless LAN environments. The antenna features a 360° horizontal transmission pattern and a 50° vertical transmission pattern. The transmit/receive element can be tilted in relation to the base to direct signal where it is needed (0°, 45°, 90°). The antennas are available in various connectors to fit most wireless radio equipment.

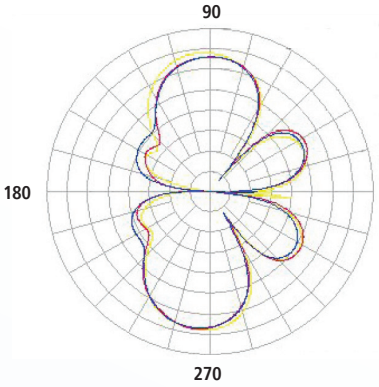
FEATURES AND BENEFITS

- 5.5 dBi gain 2.4 GHz omnidirectional indoor antenna
- Direct replacement for 2.2 dBi rubber duck antenna that is standard on most indoor access points and bridges
- Extends range of 2.4 GHz wireless access points or wireless bridges
- Improved detent for better position stability
- Improved more rugged construction
- Improved more flexible radome
- Improved temperature operation range to 70°C
- Improved styling

MARKETS

- 2.4 GHz wireless access points
- 2.4 GHz wireless routers
- 2.4 GHz wireless client bridges
- 2.4 GHz wireless equipment

ANTENNA PATTERNS



E-Plane

SPECIFICATIONS

PARAMETER	
Frequency range	2400 - 2485 MHz
Gain	5.5 dBi
VSWR	1.5:1
Impedance	50 ohm
Input power	10 watts
Operating temperature	-10° to +70°C
Weight	1.2 oz (34 g)
Dimension (Height x Dia)	8.07" x 0.57"D (205 mm x 14.5 mm D)

SYSTEM ORDERING

IN24-5RD-SMA 5.5 dBi 2.4 GHz APXtender – SMA Male Connector
IN24-5RD-RSMA 5.5 dBi 2.4 GHz APXtender – Reverse Polarity SMA Connector (Dlink, smartBridges, etc)
IN24-5RD-RTNC 5.5 dBi 2.4 GHz APXtender – Reverse Polarity TNC Connector (Linksys, Cisco, etc)

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