

## HyperGain® 2.4 GHz 11 dBi Dual Cable Polarization Diversity Flat Patch Range Extender Antenna

### Applications and Features

#### Applications:

- 2.4 GHz ISM Band
- IEEE 802.11b, 802.11g Wireless LAN
- IEEE 802.11n (Pre-N, Draft-N, MIMO) Applications
- Bluetooth®
- Public Wireless Hotspot
- WiFi
- Wireless Video Systems
- Dual Diversity / Dual Antenna Radios

#### Features:



- Superior performance
- Light weight
- Durable UV-stable, UL flame rated radome
- Low loss solid brass elements
- DC Short lightning protection
- Dual Diversity
- Dual 3 foot coax leads
- Polarization Diversity
- RoHS Compliant
- Can be installed for either vertical or horizontal polarization
- Optional mounting brackets available



**Model: RE11DP**



### Description

#### Polarization Diversity Antenna

The dual diversity antenna is designed with 2 totally separate cross-polarized antennas inside, the RE11DP is ideal for use with wireless access points, routers and pc cards that have dual antenna ports. It is ideally suited for IEEE 802.11b, 802.11g and 802.11n wireless LANs, Bluetooth®, public wireless hotspot applications and other systems operating in the 2.4GHz ISM band.

The polarization diversity feature of this WiFi antenna is useful for operating in areas susceptible to the affects of multi-path interference. By providing both spatial and cross polarization diversity, the radio's internal circuitry can select between the two receive antennas for better wireless reception. The RE11DP dual diversity antenna can be installed for horizontal or vertical polarization. This polarization diversity antenna can be wall or ceiling mounted, as well as mast-mounted using U-bolts.

This polarization diversity range extender antenna features an attached dual 3-foot cable terminated with the appropriate radio connectors, eliminating the need for a separate radio pigtail adapter.

## Specifications

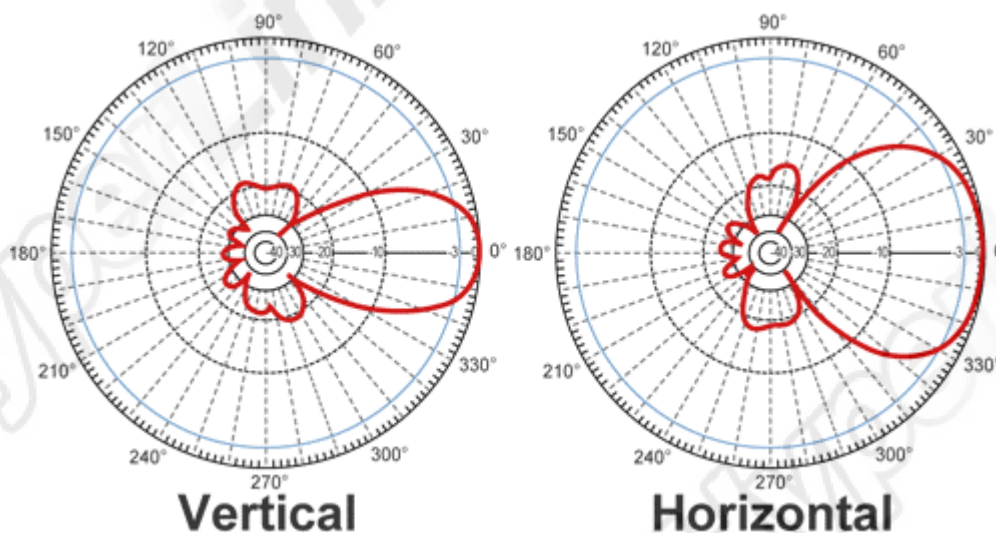
### Electrical Specifications

Frequency	2400-2500 MHz
Gain: Antenna 1 / Antenna 2	11 dBi / 11 dBi
Horizontal Beam Width (Antennas 1 & 2)	60 degrees
Vertical Beam Width (Antennas 1 & 2)	30 degrees
Impedance	50 Ohm
Max. Input Power	25 Watts
VSWR	< 1.5:1 avg.

### Mechanical Specifications

Weight	.95 lbs. (.43 Kg)
Dimensions	8.5 x 8.5 x 1 (inches) 216 x 216 x 26 (mm)
Radome Material	UV-inhibited Polymer
Flame Rating	UL 94HB
RoHS Compliant	Yes
Operating Temperature	-40° C to to 85° C (-40° F to 185° F)
Mounting	Four ¼ in. (.63 mm) Holes
Polarization	Horizontal (Left Antenna Lead) Vertical (Right Antenna Lead)
Wind Survival	>150 MPH (241 KPH)

### Antenna Patterns (Antenna 1 and 2)



### Guaranteed Quality

This product is designed and manufactured by HyperLink Technologies in the U.S.A. and is backed by Hyperlink's Limited Warranty.