

HyperLink Wireless Brand 2.4 GHz 11 dBi Polarization Diversity Flat Panel Range Extender Antenna - Model: RE11DP

Applications

- 2.4 GHz ISM Band
- IEEE 802.11b/g/n Wireless LAN
- MIMO applications
- Public Wireless Hotspot and Wireless Video Systems
- Dual Diversity / Dual Antenna Radios

Features

- Two independent antenna arrays
- Polarization diversity
- Durable UV-stable, UL flame rated radome
- Low loss solid brass elements
- Dual 3 foot coax leads



Description

Polarization Diversity Antenna

The Hyperlink RE11DP polarization diversity antenna is designed with two identical and independent antenna arrays fed by two cables. 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/g/n and MIMO Wireless LANs, 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 polarization diversity, the radio's internal circuitry can select between the two receive antennas for better wireless reception. In the case of 802.11n or MIMO, two or more spatially or polarization diverse antennas are required for the radio to operate at its highest data rate. The RE11DS can be installed for horizontal or vertical polarization. This 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°
Vertical Beam Width (Antennas 1 & 2)	30°
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	-20° C to 60° C (-4° F to 140° 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)

