

## HyperLink Wireless Brand 2.4 GHz 11 dBi Spatial Diversity Flat Panel Range Extender Antenna - Model: RE11DS

### Applications

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- 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

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



### Description

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#### Spatial Diversity Antenna

The Hyperlink RE11DS spatial diversity antenna is designed with two identical and independent antenna arrays fed by two cables. The RE11DS 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 spatial diversity feature of this WiFi antenna is useful for operating in areas susceptible to the affects of multi-path interference. By providing spatial 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 spatial diversity antenna 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 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**

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

**Mechanical Specifications**

<b>Weight</b>	.95 lbs. (.43 Kg)
<b>Dimensions</b>	8.5 x 8.5 x 1 (inches) 216 x 216 x 26 (mm)
<b>Radome Material</b>	UV-inhibited Polymer
<b>Flame Rating</b>	UL 94HB
<b>RoHS Compliant</b>	Yes
<b>Operating Temperature</b>	-20° C to 60° C (-4° F to 140° F)
<b>Mounting</b>	Four ¼ in. (.63 mm) Holes
<b>Polarization</b>	Horizontal (Left Antenna Lead) Vertical (Right Antenna Lead)
<b>Wind Survival</b>	>150 MPH (241 KPH)

**Antenna Patterns (Antenna 1 and 2)**

