

## HyperLink Wireless 2.4 GHz / 4.9-5.8 GHz 14 dBi 90 Degree Dual-Band Dual-Feed Sector Panel Antenna Model: HG2458-14P-090

### Applications and Features

- Applications:**
- 802.11a, 802.11b, 802.11g and 802.11n access points and routers
  - WiMAX Technology
  - WiFi Systems
  - Homeland Security and Public Safety Services: Fire, Police, Security
  - Wireless Internet Provider "cell" sites
- Features:**
- **Dual band: 2.4 GHz and 4.9 GHz to 5.9 GHz**
  - All weather operation
  - Dual feed via (2) Integral N-Female Connectors
  - All weather operation
  - 10° down-tilt mast mounting bracket and hardware



### Description

The HyperGain® HG2458-14P-090 is a high performance dual-band sector panel antenna, which combines high gain with a 90° beam-width. Its dual-band design makes it suitable for applications in the 2.4GHz (2400-2500 MHz) and 5 GHz (4900-5900 MHz) band which and eliminates the need to purchase different antennas for each frequency. This simplifies installations since the same antenna can be used for a wide array of wireless applications. This antenna is ideal for use with the following applications:

- ◇ 2.4 GHz 802.11a, 802.11b, 802.11g and 802.11n
- ◇ 4.9 GHz homeland security band
- ◇ 5.3 GHz, 5.4 GHz and 5.8 GHz 802.11a
- ◇ 5.8 GHz ISM, UNII and Mesh Networks

The HG2458-14P-090 is actually two antennas in one. A 2.4 GHz antenna and a 4.9 GHz to 5.9 GHz antenna integrated into a single enclosure. Each internal antenna is fed via its own individual connector.

This dual-band sector antenna features a heavy-duty fiberglass radome for all-weather operation. The heavy-duty mounting system allows installation adjusts from 0 to 10 degrees down tilt.

This is an ideal choice for Wireless Internet Provider "cell" sites since the cell size can be easily determined by adjusting the down-tilt angle. Horizontal coverage is a full 90 degrees.

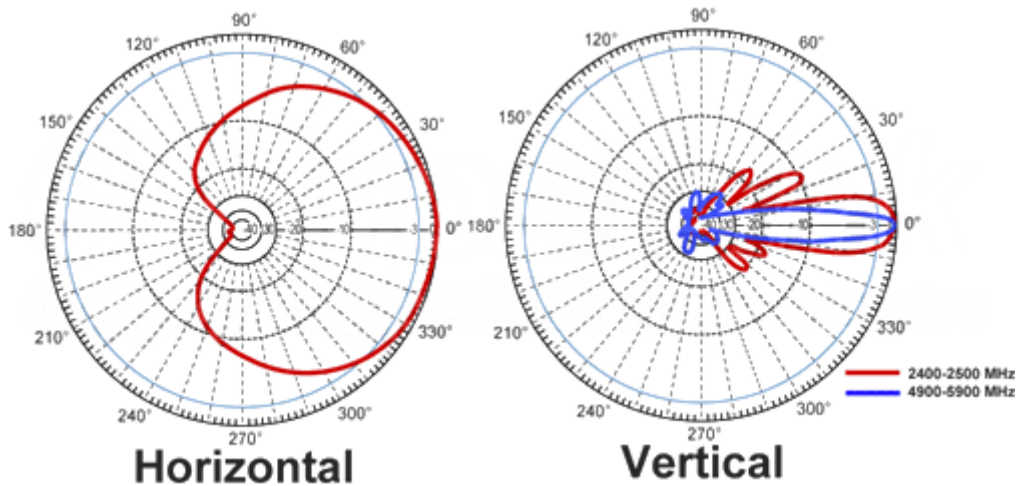


**Specifications**

<b>Frequency Range</b>	2400 - 2500 MHz 4900 - 5900 MHz
<b>Gain</b>	14 dBi
<b>Polarization</b>	Vertical
<b>Horizontal Beam Width</b>	90°
<b>Vertical Beam Width</b>	16° (2400-2500 MHz) 8° (4900-5900 MHz)
<b>Impedance</b>	50 Ohm
<b>VSWR</b>	≤ 1.5:1 avg.
<b>Front to Back Ratio</b>	≥ 21 dB
<b>Max. Input Power</b>	50 Watts
<b>Lightning Protection</b>	DC Ground
<b>Connectors</b>	(2) Integral N-Female
<b>Weight</b>	4.4 lbs. (2 kg)
<b>Dimensions</b>	24 x 6.3 x 2.3 in (610 x 160 x 60 mm)
<b>Radome Material</b>	UV-inhibited Fiberglass
<b>Mounting</b>	1.5 – 2 in (40 – 53 mm) dia. mast max.
<b>Operating Temperature</b>	-40° C to 60° C (-40° F to 140° F)
<b>Rated Wind</b>	>130 MPH (210 Km/h)
<b>RoHS Compliant</b>	Yes

**Wind Loading Data**

Wind Speed (MPH)	Loading
100	34 lb.
125	54 lb.



**Guaranteed Quality**

This product is backed by L-Com’s Limited Warranty.