

## 2.4 GHz 14 dBi 90 Degree Dual Polarized Dual-Feed Sector Panel Antenna - Model: HG2414DP-090

### Applications and Features

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- Applications:**
- IEEE 802.11b, 802.11g and 802.11n (Pre-N, Draft-N, MIMO) applications
  - WiFi and Bluetooth® applications
  - Public Wireless Hotspot
  - Wireless Video Systems
  - Wireless Internet Provider "cell" sites

- Features:**
- **Vertical and Horizontal polarization**
  - **Dual polarity feed system** - (2) N-Female connectors
  - All weather operation
  - 10° down-tilt mast mounting bracket and hardware
  - Includes Mast Mounting Hardware



### Description

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#### Superior Performance

The HyperGain® HG2414DP-090 Dual Polarized Sector Panel WiFi Antenna combines high gain with a wide 90° beam-width. It is a professional quality "cell site" antenna designed primarily for service providers in the 2.4GHz ISM band. Applications include IEEE 802.11b, 802.11g and 802.11n wireless LAN systems.

#### Dual Polarized Design

This antenna features an unique array of cross di-pole elements. The antenna is fed via two N-Female ports, one for vertically polarized and one for horizontally polarized signals. These feature makes these antennas ideal for polarization diversity systems.

#### Rugged and Weatherproof

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 downtilt.

#### Ideal for Wireless Internet "Cell" Sites

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.



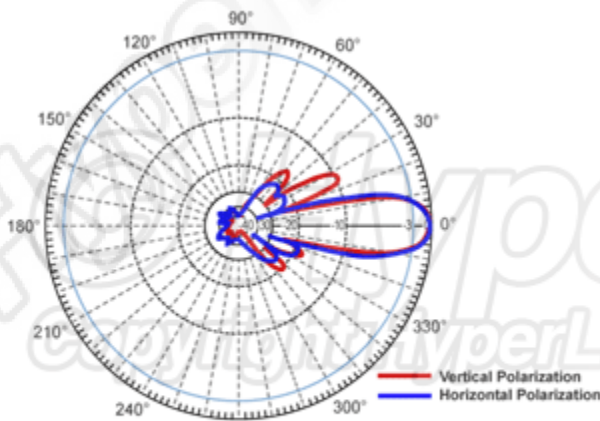


## Specifications

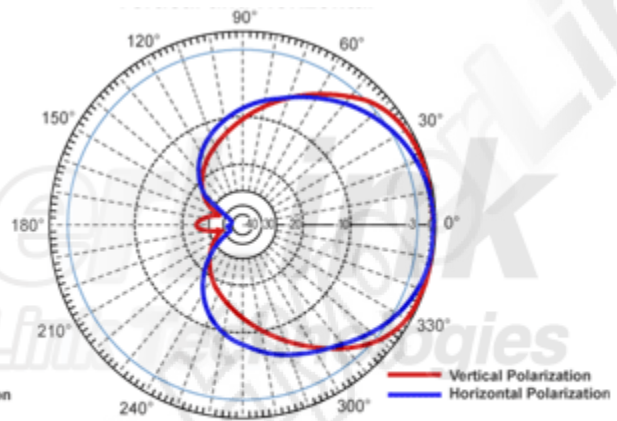
Frequency Range	2400 - 2500 MHz
Gain	14 dBi
Polarization	Vertical and Horizontal
Horizontal Polarization H Plane	75°
Vertical Polarization H Plane	90°
Horizontal Polarization E Plane	16°
Vertical Polarization E Plane	16°
Impedance	50 Ohm
VSWR	≤ 1.5:1 avg.
Front to Back Ratio	≥ 23 dB
Isolation Between Ports	≥ 28 dB
Max. Input Power	200 Watts
Lightning Protection	DC Ground
Connectors	(2) Integral N-Female
Weight	4.4 lbs. (2 kg)
Dimensions	18.3 x 6.3 x 2.3 in (465 x 160 x 60 mm)
Radome Material	UV-inhibited fiberglass
Mounting	1.5" (40 mm) to 2" (53 mm) dia. mast max.
Operating Temperature	-40° C to to 60° C (-40° F to 140° F)
Rated Wind	>130 MPH (210 Km/h)
RoHS Compliant	Yes

## Wind Loading Data

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



**E Plane**  
Vertical and Horizontal



**H Plane**  
Vertical and Horizontal

**Guaranteed Quality:** This product is backed by Hyperlink's Limited Warranty.