

## HyperLink Wireless 2.4 GHz 15 dBi 180 Degree Sector Panel Wireless LAN Antenna

Model HG2415P-180

### 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
  - Wireless Internet Provider "cell" sites

- Features:**
- Superior performance
  - All weather operation
  - 180° beam-width
  - 26° Down-Tilt Mounting Bracket
  - Includes Mast Mounting Hardware
  - Integral N-Female Connector



### Description

#### Superior Performance

The HyperGain® HG2415P-180 Sector Panel WiFi Antenna combines 15 dBi gain with a wide 180° 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.

#### Rugged and Weatherproof

This antenna features a heavy-duty UV protected epoxy-fiberglass radome for all-weather operation. The included mounting system adjusts from 0 to 26 degrees down-tilt.

#### Ideal for Wireless ISP "Cell" Sites

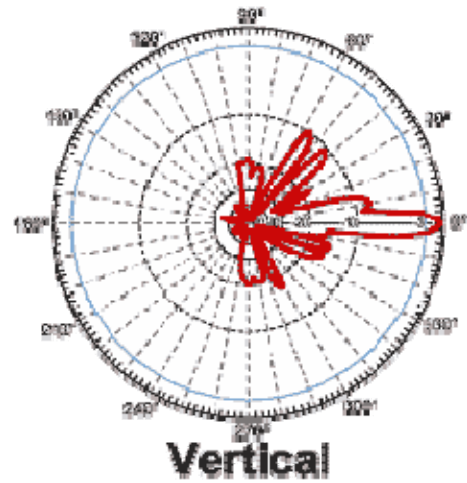
This WiFi antenna is an ideal choice for Wireless ISP "cell" sites since the cell size can be easily determined by adjusting the down-tilt angle. Horizontal coverage is a full 180 degrees.



**Specifications**

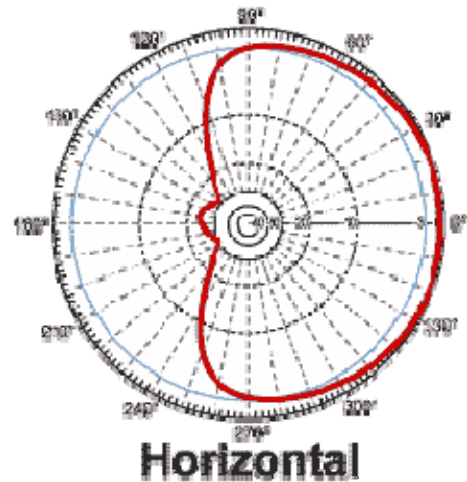
**Electrical Specifications**

<b>Frequency</b>	2400-2500 MHz
<b>Gain</b>	15 dBi
<b>Horizontal Beam Width</b>	180 degrees
<b>Vertical Beam Width</b>	+/- 10 degrees
<b>Impedance</b>	50 Ohm
<b>Max. Input Power</b>	300 Watts
<b>VSWR</b>	< 1.5:1 avg.
<b>Connector</b>	N Female
<b>Lightning Protection</b>	DC Short



**Mechanical Specifications**

<b>Weight</b>	10 lbs. (4.54 Kg)
<b>Dimensions</b>	41 x 8.5 x 6.5 inches (104 x 21.6 x 16.5 cm)
<b>Radome Material</b>	UV Epoxy Fiberglass
<b>Reflector Material</b>	Aluminum
<b>Mounting</b>	2 inch (5 cm) O.D. pipe max.
<b>Operating Temperature</b>	-40° C to 85° C (-40° F to 185° F)
<b>Polarization</b>	Vertical
<b>Down-tilt (mech)</b>	0 to 26 degrees (adjustable)



**Wind Loading Data**

Wind Loading	Front Surface	Side Surface
<b>Area</b>	2.13 sq. ft. (.19 sq. meters)	1.00 (.09 sq. meters)
<b>@ 100 MPH (161 KPH)</b>	69 lbs. (31.3 Kg)	40 lbs. (18.1 Kg)