

## HyperLink Wireless 5.8 GHz ISM / UNII Band 17 dBi 90 Degree Sector Panel Wireless LAN Antenna

Model HG5817P-090

### Applications and Features

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- Applications:**
- 5.8GHz UNII applications
  - 5.8GHz ISM applications
  - 5.8GHz Wireless LAN systems
  - WiFi
  - Wireless Internet Provider "cell" sites
- Features:**
- Superior performance
  - Light weight
  - All weather operation
  - Compact Size
  - DC Ground lightning protection
  - Integral N-Female Connector
  - Supplied with a tilt and swivel mast mount kit
  - RoHS Compliant



### Description

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#### Superior Performance

The HyperGain® HG5817P-090 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 5.8GHz ISM and UNII band.

#### Rugged and Weatherproof

This antenna features a heavy-duty plastic radome for all-weather operation. The HG5817P antenna is supplied with a tilt and swivel mast mount kit. This allows installation at various degrees of incline for easy alignment.

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

This RF antenna 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

### Electrical Specifications

<b>Frequency</b>	5725-5850 MHz
<b>Gain</b>	17 dBi
<b>Horizontal Beam Width</b>	90 degrees
<b>Vertical Beam Width</b>	8 degrees
<b>Impedance</b>	50 Ohm
<b>Max. Input Power</b>	100 Watts
<b>Front to Back Ratio</b>	> 25 dB
<b>VSWR</b>	< 1.5:1 avg.
<b>Lightning Protection</b>	DC Ground
<b>Connector</b>	N Female

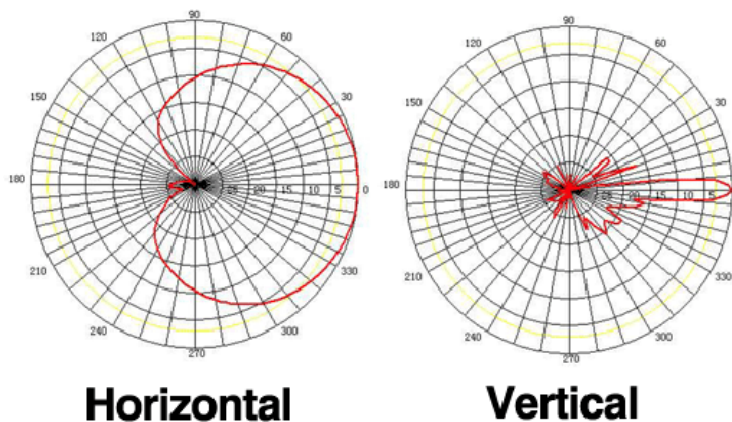
### Mechanical Specifications

<b>Weight</b>	2.2 lbs. (1 Kg)
<b>Dimensions</b>	14.5 x 6.7 x 2.5 inches (370 x 170 x 65 mm)
<b>Radome Material</b>	UV-Inhibited Polymer
<b>Operating Temperature</b>	-40° C to 85° C (-40° F to 185° F)
<b>Mounting</b>	2 inch (50.8 mm) O.D. pipe max.
<b>Polarization</b>	Vertical
<b>Down tilt (mech)</b>	0 to 20 degrees (adjustable)
<b>RoHS Compliant</b>	Yes

### Wind Loading Data

Wind Loading	Front Surface	Side Surface
<b>Area</b>	0.67 sq. ft. (.062 sq. meters)	0.25 (.023 sq. meters)
<b>@ 100 MPH (161 KPH)</b>	22 lbs. (10 Kg)	8 lbs. (3.6 Kg)

### RF Antenna Patterns



### Guaranteed Quality

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