

5.8 GHz ISM / UNII Band 17 dBi 90 Degree Sector Panel Wireless LAN Antenna - Model HG5817P-090



Applications and Features

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**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

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

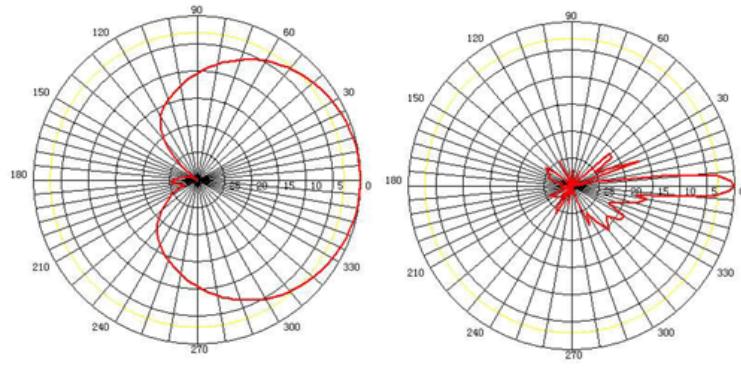
Mechanical Specifications

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

Wind Loading Data

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

RF Antenna Patterns



Horizontal

Vertical

Guaranteed Quality

This product is backed by Hyperlink's Limited Warranty.