

Hyperlink Wireless 5.8 GHz 17 dBi 90° Horizontal Polarized Sector Panel Antenna Model HG5817HSP-090

Applications and Features

- Applications:**
- 5.8GHz UNII applications
 - 5.8GHz ISM applications
 - 5.8GHz Wireless LAN systems
 - WiFi
 - WiMAX
 - Wireless Internet Provider "cell" sites

- Features:**
- 5.7 to 5.9 GHz Antenna Coverage Range
 - Superior performance-All weather operation
 - Horizontally Polarized-90° Beam Width
 - 20° Down-Tilt Mounting Bracket
 - Includes Mast Mounting Hardware
 - Integral N-Female Connector
 - RoHS Compliant



Description

The HyperGain® HG5817HSP-090 Sector Panel Antenna combines high gain with a wide 90° beam-width. It is Horizontally Polarized permitting the operator to use polarity to improve throughput of the system. It is a professional quality "cell site" antenna designed primarily for service providers in the 5.7 GHz to 5.9 GHz frequency coverage.

This antenna features a heavy-duty plastic radome for all-weather operation. The HG5817P-090 antenna is supplied with a tilt and swivel mast mount kit. This allows installation at various degrees of incline for easy alignment.

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 Beam width coverage is a full 90°.

Specifications

Frequency	5725 - 5850 MHz
Gain	17 dBi
Polarization	Horizontal
Horizontal Beam Width	90°
Vertical Beam Width	5°
Impedance	50 Ohm
VSWR	≤ 1.5:1
Front to Back Ratio	≤ 25 dB
Max. Input Power	100 Watts
Lightning Protection	DC OPEN
Connector	Integral N-Female
Weight	5.07 lbs. (2.3 kg)
Dimensions	31.1 x 4.5 x 2.3 in (790 x 115 x 60 mm)
Radome Material	UV-resistant PVC
Mounting	1.57" (40 mm) to 2.36" (60 mm) dia. mast max.
Operating Temperature	-40° C 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	28 lb.
125	44 lb.

RF Antenna Gain Patterns

