

## Hyperlink Wireless 5.8 GHz 17 dBi 120° Horizontal Polarized Sector Panel Antenna Model HG5817HSP-120

### Applications and Features

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- 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

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The HyperGain® HG5817HSP-120 Sector Panel Antenna combines high gain with a wide 120° 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-120 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 120°.

**Specifications**

<b>Frequency</b>	5725 - 5850 MHz
<b>Gain</b>	17 dBi
<b>Polarization</b>	Horizontal
<b>Horizontal Beam Width</b>	120°
<b>Vertical Beam Width</b>	5°
<b>Impedance</b>	50 Ohm
<b>VSWR</b>	≤ 1.5:1
<b>Front to Back Ratio</b>	≤ 25 dB
<b>Max. Input Power</b>	100 Watts
<b>Lightning Protection</b>	DC OPEN
<b>Connector</b>	Integral N-Female
<b>Weight</b>	5.07 lbs. (2.3 kg)
<b>Dimensions</b>	31.1 x 4.5 x 2.3 in (790 x 115 x 60 mm)
<b>Radome Material</b>	UV-resistant PVC
<b>Mounting</b>	1.57" (40 mm) to 2.36" (60 mm) dia. mast max.
<b>Operating Temperature</b>	-40° C to 60° C (-40° F to 140° F)
<b>Rated Wind</b>	>130 MPH (210 Km/h)
<b>RoHS Compliant</b>	Yes

**Wind Loading Data**

Wind Speed (MPH)	Loading
100	28 lb.
125	44 lb.

**RF Antenna Gain Patterns**

