

HyperLink Wireless Brand 5.8 GHz 14 dBi 120 Degree Sector Panel Antenna Model: HG5814P-120

Applications

- 5.8 GHz UNII and ISM applications
- 5.8 GHz Wireless LAN systems
- IEEE 802.11a WiFi
- WiMAX systems
- Wireless Internet Provider "cell" sites

Features

- All weather operation
- 120 Degree beam width
- Up/Down tilt mounting bracket
- Light weight, compact size
- Integral N-Female connector



Description

Superior Performance

The Hyperlink HG5814P-120 Sector Panel Wi-Fi Antenna combines high gain with a wide 120° beam-width. It is a professional quality "cell site" antenna designed primarily for service providers in the 5.8GHz ISM and UNII band. This antenna is compatible with IEEE 802.11a WiFi applications.

Rugged and Weatherproof

This antenna features a heavy-duty plastic radome for all-weather operation. The HG5814P-120 antenna is supplied with an up/down-tilt 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 120 degrees.



Specifications

Electrical Specifications

Frequency	5725 – 5850 MHz
Gain	14 dBi
Horizontal Beam Width	120°
Vertical Beam Width	7.5°
Polarization	Vertical
Impedance	50 Ohm
Front to Back Ratio	>30 dB
Max. Input Power	100 Watts
VSWR	< 1.5:1 avg
Lightning Protection	DC Ground

Mechanical Specifications

Connector	Integral N-Female
Weight (including mounting bracket)	3.97 lbs. (1.8 kg)
Radome Material	UV Resistant PVC
Dimensions	17.91 x 4.5 x 2.3 in. (455 x 115 x 60 mm)
Operating Temperature	-40°C to 85°C (-40°F to 185°F)
RoHS Compliant	Yes

Wind Loading Data

Wind Speed (MPH)	Loading – Front	Loading – Side
100	28.6 lbs	14.6 lbs.
125	44.7 lbs.	22.9 lbs.

RF Antenna Patterns

