



2.4 GHz 14 dBi 120 Degree Vertical Polarized Sector Panel Wireless LAN Antenna

Model: HG2414SP-120

Applications and Features

- Features:
- Superior performance
 - All weather operation
 - Vertical Polarized
 - 20° Down-Tilt Mounting Bracket
 - Includes Mast Mounting Hardware
 - Integral N-Female Connector



Description

Superior Performance

The HyperGain® HG2414SP-120 Sector Panel WiFi 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 2.4GHz ISM band. Applications include IEEE 802.11b and 802.11g wireless LAN systems.

Rugged and Weatherproof

This WiFi antenna features a heavy-duty plastic radome for all-weather operation. The heavy-duty mounting system allows installation adjusts from 0 to 20 degrees downtilt.

Ideal for Wireless Internet "Cell" Sites

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 coverage is a full 120 degrees.





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Specifications
Electrical Specifications

Frequency	2400 - 2500 MHz
Gain	14 dBi
Polarization	Vertical
Horizontal Beam Width	120°
Vertical Beam Width	15°
Impedance	50 Ohm
VSWR	< 1.5:1 avg.
Front to Back Ratio	> 21 dB
Max. Input Power	300 Watts
Lightning Protection	DC Ground
Connector	Integral N-Female

Mechanical Specifications

Weight	4.4 lbs. (2 kg)
Dimensions	20 x 7 x 3.5 inch (500 x 180 x 90 mm)
Radome Material	UV-inhibited Plastic
Mounting	2 inch (50 mm) dia. mast max.
Operating Temperature	-40° C to to 85° C (-40° F to 185° F)
Rated Wind	>130 MPH (210 Km/h)

RF Antenna Gain Patterns
