

5.1 GHz to 5.8 GHz 23 dBi Broadband Wireless LAN Flat Patch Antenna

Applications and Features

- Applications:**
- 5.3 GHz Band Applications
 - 5.4 GHz Band Applications
 - 5.8GHz UNII applications
 - 5.8GHz ISM applications
 - IEEE 802.11a Wireless LAN
 - Unlicensed European 5.4 GHz Band Applications
 - WiMAX Technology
 - 5.8 GHz Wireless Video Systems

- Features:**
- 23 dBi
 - Light weight
 - All weather operation
 - Heavy-duty radome
 - DC Short lightning protection
 - Integral N-Female Connector
 - Can be installed for either vertical or horizontal polarization
 - Includes tilt and swivel mast mount
 - RoHS Compliant



Model: HG5158-23P

Description

Superior Performance

This low cost and compact flat patch broadband antenna is designed to operate from 5.1 GHz to 5.8 GHz (5150-5850 MHz). The wide band design of this antenna eliminates the need to purchase different antennas for each frequency. This simplifies installations since the same antenna can be used for a wide array of wireless applications. The antenna's low profile only measures .75" (19mm) thick and combines 23 dBi gain with broad coverage. It is suitable for both indoor and outdoor applications. This antenna can be oriented for either vertical or horizontal polarization.

Rugged and Weatherproof



This broadband antenna features a heavy-duty UV-stable white fiberglass radome for all-weather operation. The HG5158-23P antenna is supplied with a tilt and swivel mast mount kit. This allows installation at various degrees of incline for easy alignment.



Specifications

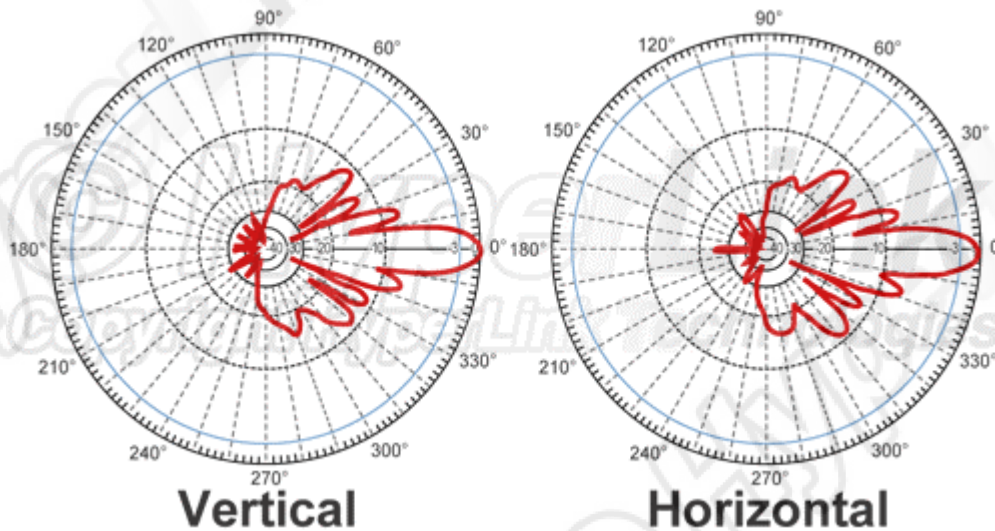
Electrical Specifications

Frequency	5150-5850 MHz
Gain	23 dBi
Horizontal Beam Width	11°
Vertical Beam Width	11°
Polarization	Vertical or Horizontal
Impedance	50 Ohm
Max. Input Power	50 Watts
VSWR	< 1.5:1 avg.
Lightning Protection	DC Short
Connector	Integral N-Female

Mechanical Specifications

Weight	3.27 lbs. (1.5 Kg)
Dimensions	12 x 12 x .75 in. (305 x 305 x 19 mm)
Radome Material	UV-Stable Fiberglass
Operating Temperature	-40° C to to 85° C (-40° F to 185° F)
Mounting	1.25 inch (32 mm) to 2 inch (50 mm) O.D. pipe max.
Rated Wind Velocity	130mph (210km/h)
RoHS Compliant	Yes

RF Antenna Patterns



Guaranteed Quality

This product is backed by Hyperlink's Limited Warranty