

HyperLink Wireless 4.9 GHz to 5.8 GHz 23 dBi Broadband WLAN Flat Patch Antenna

Model: HG5158-23P

Applications and Features

Applications:

- **5.3-5.4 GHz Frequency Range:**
(5150-5250 MHz, 5250-5350 MHz, 5470-5725 MHz)
 - ◇ 5.3 GHz Band Applications
 - ◇ 5.4 GHz Band Applications
 - ◇ Unlicensed European 5.4 GHz Band Applications
 - ◇ IEEE 802.11a Wireless LAN
 - ◇ WiFi Systems
 - ◇ Radio Local Area Networks (RLAN)
 - ◇ Fixed Wireless Access Systems (FWA)
 - ◇ WiMAX Technology
- **5.4-5.8 GHz Frequency Range:**
(5470-5725 MHz, 5725-5850 MHz)
 - ◇ 5.8GHz UNII applications
 - ◇ 5.8GHz ISM applications
 - ◇ 5.8GHz Wireless LAN systems
 - ◇ 5.8GHz WiFi application
 - ◇ 5.8 GHz Wireless Video Systems
- **4.9 GHz Frequency Range:**
(4750-5125 MHz)
 - ◇ Homeland Security
 - ◇ Public Safety Services

Features:

- 23 dBi (20 dBi in 4.9GHz frequency)
- 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

**Broadband
Operation!**

Description

Superior Performance

This low cost and compact flat patch broadband antenna is designed to operate from 4.9 GHz to 5.8 GHz (4750-5850 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). 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.



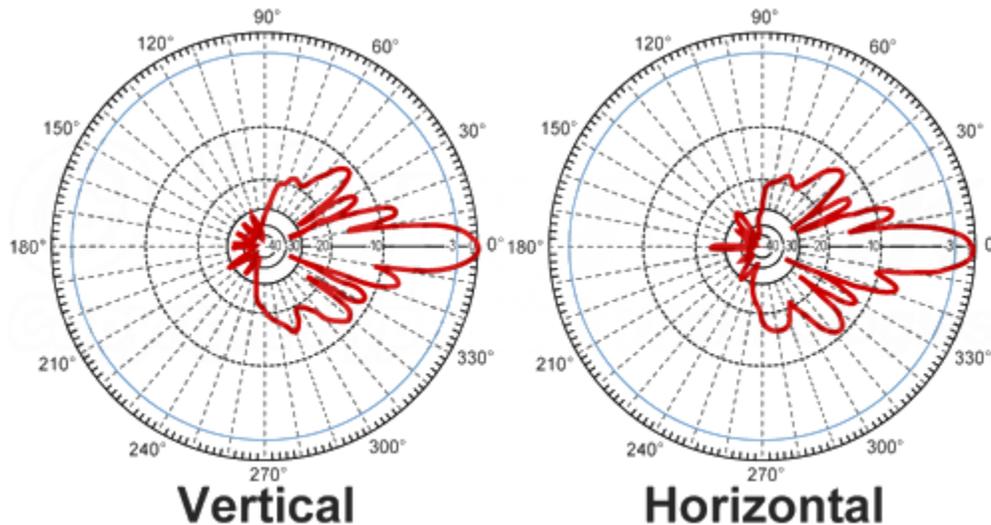
Specifications

Frequency	4750-5850 MHz
Gain	23 dBi (20 dBi in 4.9 GHz frequency)
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
Weight	3.27 lbs. (1.5 Kg)
Dimensions	12 x 12 x .75 inches (305 x 305 x 19 mm)
Radome Material	UV-Stable Fiberglass
Operating Temperature	-40° C to 85° C (-40° F to 185° F)
Mounting	1.25 in. (32 mm) to 2 in. (50 mm) O.D. pipe max.
Rated Wind Velocity	130mph (210km/h)
RoHS Compliant	Yes

Wind Loading Data

Wind Speed (MPH)	Loading
100	32 lb.
125	51 lb.

RF Antenna Patterns



Guaranteed Quality

This product is backed by L-Com's Limited Warranty