

HyperLink Wireless 5.1 GHz to 5.9 GHz (5100 - 5900 MHz) Broadband 8 dBi Flat Patch Wireless LAN Antenna

Model: HG5158P

Applications and Features

- Applications:**
- 5.3 GHz - 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 GHz - 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

- Features:**
- Superior performance
 - Broadband operation
 - Flat panel design
 - Compact size, light weight
 - All weather operation
 - 8 dBi gain
 - Integral SMA-Female connector
 - Durable UV-stable, UL flame rated radome
 - RoHS Compliant
 - Low loss solid brass element
 - Can be installed for either vertical or horizontal polarization
 - Optional Mounting Kits available

**Broadband
Operation!**

Description

Superior Design - Broadband Performance

The HyperGain® Model HG5158P is a high performance broadband flat patch antenna designed to operate from 5.1 GHz to 5.9 GHz (5100-5900 MHz). The Wideband 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 in-building wireless applications where wide coverage is desired. See above for applications by frequency range. The antenna measures 4.5" square and combines 8 dBi gain with broad coverage. It is suitable for both indoor and outdoor applications and can be oriented for either vertical or horizontal polarization.

Rugged and Weatherproof

Sealed internal elements and an aesthetic UV-stable, UL flame rated white plastic radome help ensure many years of trouble free operation. This antenna can be wall or ceiling mounted, as well as mast-mounted using U-bolts.

Specifications

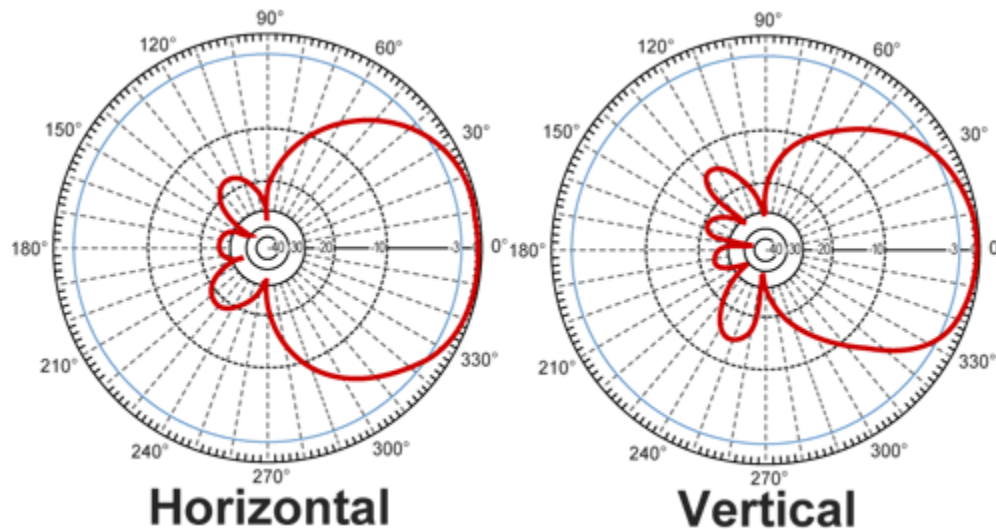
Electrical Specifications

Frequency	5100 - 5900 MHz
Gain	8 dBi
Horizontal Beam Width	75 degrees
Vertical Beam Width	60 degrees
Impedance	50 Ohm
VSWR	< 1.5:1 avg.
Connector	Integral SMA-Female

Mechanical Specifications

Weight	< 0.4 lbs (.18 kg).
Dimensions	4.5" x 4.5" x 1" (114.3 x 114.3 x 25.4 mm)
Radome Material	UV-inhibited Polymer
Mounting	Four ¼" Holes
Polarization	Horizontal and Vertical
Wind Survival	>150 MPH
Operating Temperature	-40° C to 85° C (-40° F to 185° F)
Flame Rating	UL 94HB
RoHS Compliant	Yes

RF Antenna Patterns



Guaranteed Quality

This product is backed by L-com's Limited Warranty.