

## 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

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- 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

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#### 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**

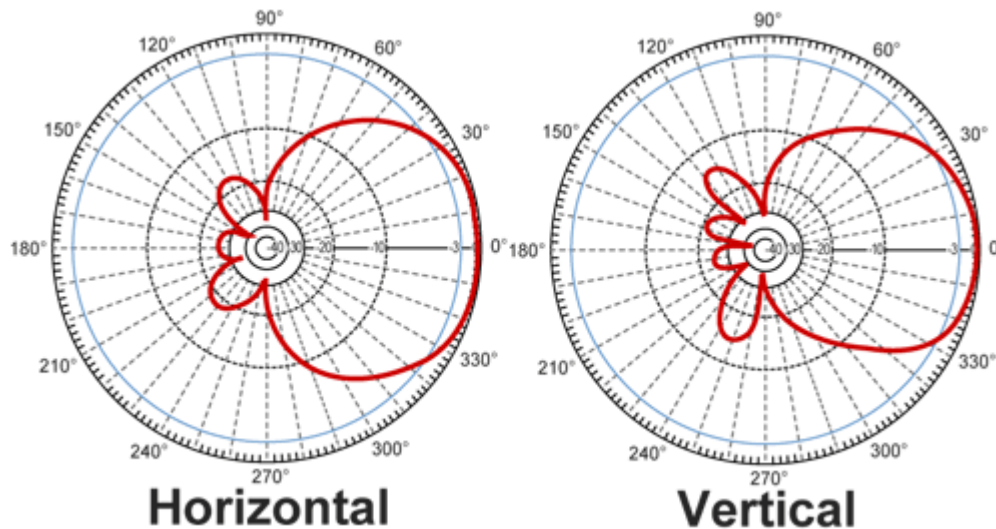
**Electrical Specifications**

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

**Mechanical Specifications**

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

**RF Antenna Patterns**



**Guaranteed Quality**

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