

## HyperLink Wireless 4.4 GHz to 5.5 GHz (4400 - 5500 MHz) Broadband 8 dBi Flat Patch Wireless LAN Antenna

Model: HG4953P

### Applications and Features

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**Applications:** **4.9 GHz Frequency Range** (4940-4990 MHz):

- ◇ Homeland Security
- ◇ Public Safety Services: Fire, Police, Security
- ◇ Rapid Deployment Installations
- ◇ Large Scale WLL
- ◇ Personal Area Network (PAN)
- ◇ WLAN / Hot Spot
- ◇ WLAN / On-Scene Incident Command

**5.3 GHz Frequency Range** (5150-5250 MHz, 5250-5350 MHz)

- ◇ 5.3 GHz Band Applications
- ◇ IEEE 802.11a Wireless LAN
- ◇ WiFi

**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



### 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 4.4 GHz to 5.5 GHz (4400-5500 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**

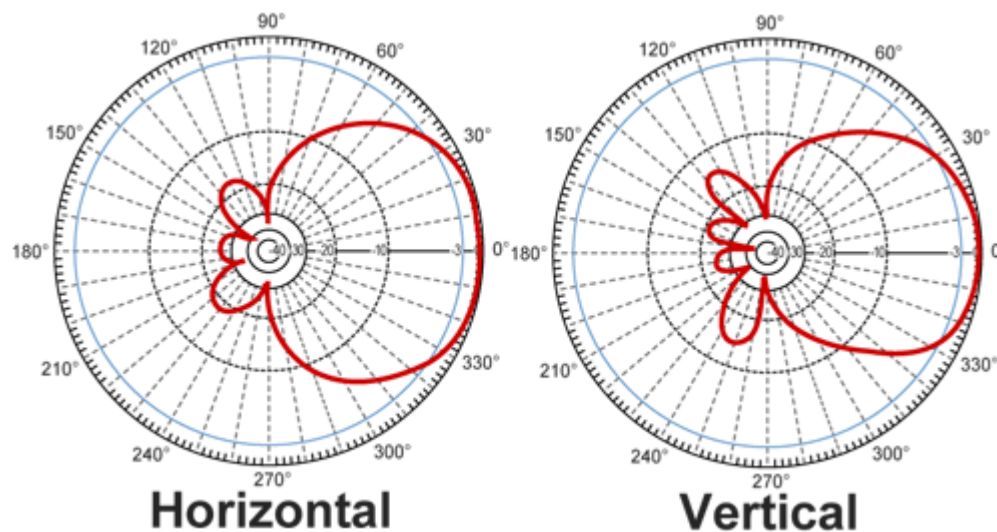
**Electrical Specifications**

<b>Frequency</b>	4400 - 5500 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.