

HyperLink Wireless 2.4 GHz / 5.1 GHz to 5.8 GHz Multi-Band Flat Patch Wireless LAN Antenna Model: HG2458-09P

Multi-Band Operation!

Applications and Features

Applications:

- **2.4-2.5 GHz / 5.1-5.8 GHz Frequency Range:**
 - ◇ IEEE 802.11a, 802.11b, and 802.11g devices such as access points, routers and PCI Cards
 - ◇ Ideal for Multi-Band radios (802.11a/b/g)
 - ◇ 2.4 GHz ISM, 5.3 GHz and 5.8 GHz UNII/ISM band wireless systems
 - ◇ WiFi and WiMAX applications
 - ◇ 2.4 GHz and 5.8 GHz wireless video systems
 - ◇ Bluetooth® applications
 - ◇ Public wireless hotspots

Features:

- Multi-Band operation - 2400-2500 MHz and 5125-5850 MHz
- Dual element 2.4 GHz and 5 GHz internal antennas coupled to a single feed
- Light weight
- Durable UV-stable, UL flame rated radome
- Low loss solid brass elements
- Integral N-Female connector
- Can be installed for either vertical or horizontal polarization
- Includes tilt and swivel mast mount (Optional wall mounting brackets available)



Description

The HG2458-09P is a high performance multi-band directional flat patch WiFi antenna suitable for indoor and outdoor applications in the 2.4GHz (2400-2500 MHz) and 5.1-5.8 GHz (5125-5850 MHz) band. The Multi-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. This WiFi antenna is lightweight and features an aesthetic UV-stable, UL flame rated white plastic radome which can also be painted to match the room or building structure. It features an integral N-Female connector.

The HG2458-09P is actually two antennas in one. A dual element 2.4 GHz antenna and a dual element 5 GHz antenna coupled to a single feed. Since many dual-band 802.11a/b/g radios share a single antenna, the HG2458-09P can split these signals so that the two separate internal 2.4 GHz and 5 GHz antennas can be used to improve performance. The HG2458-09P can also receive separate 2.4 GHz and 5 GHz signals and combine them into a single feed. These features makes this antenna ideal for mixed IEEE 802.11a, 802.11b and 802.11g wireless LANs, Bluetooth®, and public wireless hotspots.

The HG2458-09P antenna is supplied with a 60 degree tilt and swivel mast mounting kit. This antenna can be wall mounted with the optional brackets available from HyperLink.



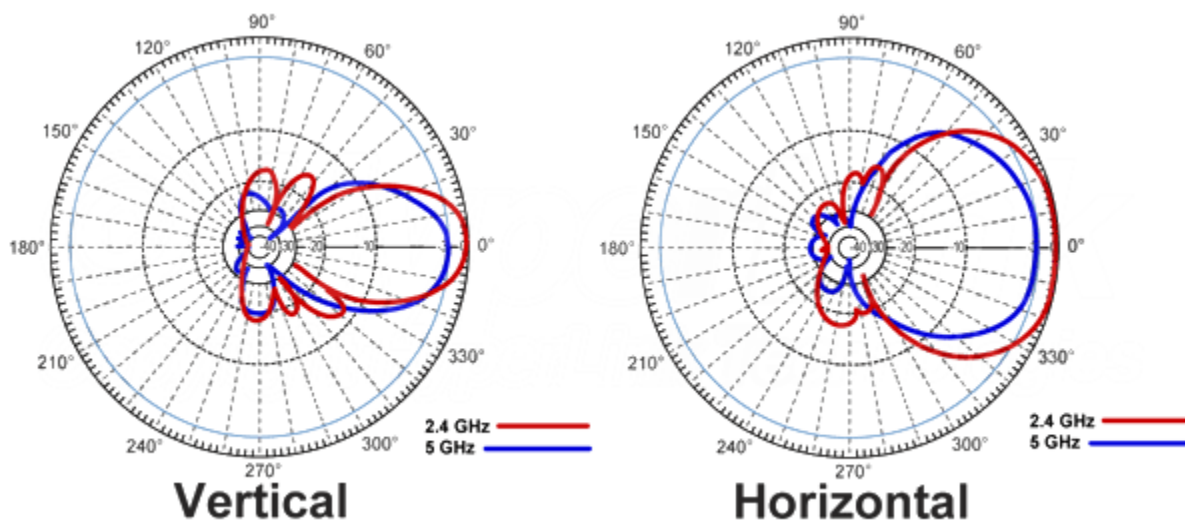
Specifications

Frequency Ranges	2400-2500 MHz / 5125-5850 MHz
Gain	9 dBi @ 2400-2500 MHz 6 dBi @ 5125-5850 MHz
Horizontal Beam Width	65 degrees
Vertical Beam Width	25 degrees
Impedance	50 Ohm
Max. Input Power	1 Watt
VSWR	< 1.5:1 avg.
Output Connector	"N" type Female
Mounting	1-1/4" (32 mm) to 2" (51 mm) dia. masts
Vertical Tilt	0-60°
Weight	.95 lbs. (.43 Kg)
Dimensions	8.5 x 8.5 x 1 inches (216 x 216 x 26 mm)
Radome Material	UV-inhibited Polymer
Flame Rating	UL 94HB
Polarization	Horizontal or Vertical
Operating Temperature	-40° C to 85° C (-40° F to 185° F)
Wind Survival	>150 MPH (241 KPH)

Wind Loading Data

Wind Speed (MPH)	Loading
100	5 lb.
125	7 lb.

RF Antenna Gain Patterns



Guaranteed Quality

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