

## HyperLink 2.4 GHz 8 dBi Wireless LAN Circular Polarized Flat Patch Antenna

Model: HG2409PCL

### Applications and Features

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#### Applications:

- 2.4 GHz ISM Band
- IEEE 802.11b and 802.11g Wireless LAN
- Bluetooth®
- Public Wireless Hotspot
- WiFi

#### Features:

- Superior performance
- Compact size, 4.5" Square
- Durable UV-stable, UL flame rated radome
- Low loss solid brass element
- DC Short lightning protecting
- 12 inch coax lead
- Available in right or left hand polarization
- Optional mounting brackets available



### Description

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This very compact flat WiFi patch antenna provides 8 dBic gain with very broad coverage. The use of a circular polarized antenna on a fixed AP can be advantageous if the linear polarized remote links are constantly moving. Circular polarized antennas have equal response to either horizontal or vertical polarized antennas. It is suitable for both indoor and outdoor applications in the 2.4GHz ISM band such as IEEE 802.11b and 802.11g, Bluetooth® and for public wireless hotspot applications. Available in left or right circular polarization, this antenna's construction features a sealed internal brass element and an aesthetic UV-stable, UL-flame rated white polymer radome. Can be wall or ceiling mounted, as well as mast-mounted using U-bolts.

**Specifications**

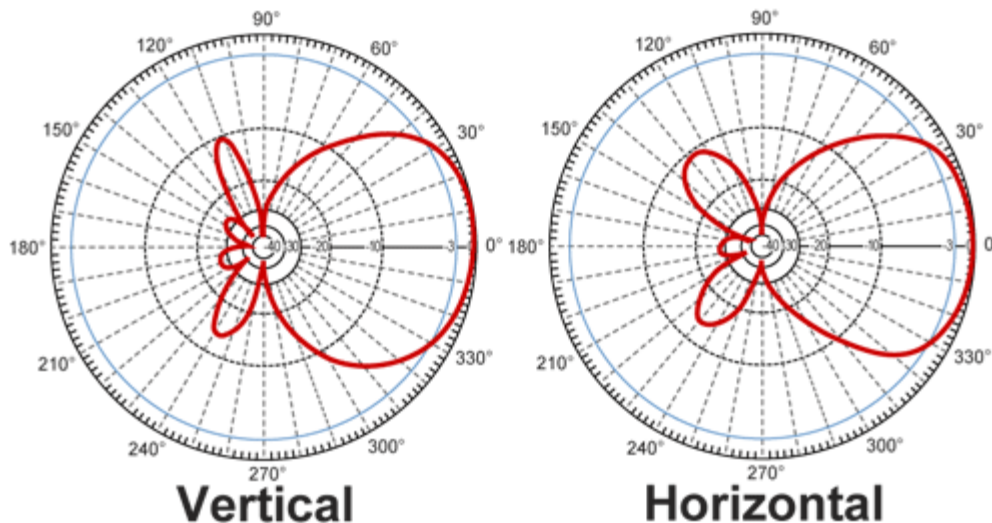
**Electrical Specifications**

<b>Frequency</b>	2400-2500 MHz
<b>Gain</b>	8 dBic
<b>Polarization (HG2409PCL)</b>	Left Hand Circular
<b>Polarization (HG2409PCR)</b>	Right Hand Circular
<b>Horizontal Beam Width</b>	65 degrees
<b>Vertical Beam Width</b>	65 degrees
<b>Impedance</b>	50 Ohm
<b>VSWR</b>	< 1.5:1 avg.
<b>Lightning Protection</b>	DC Short

**Mechanical Specifications**

<b>Weight</b>	0.4 lbs. (.18 Kg)
<b>Dimensions</b>	4.5 x 4.5 x .9 inches 114 x 114 x 23 mm
<b>Radome Material</b>	UV-inhibited Polymer
<b>Flame Rating</b>	UL 94HB
<b>Operating Temperature</b>	-40° C to 85° C (-40° F to 185° F)
<b>Mounting</b>	Four ¼ in. (6.3 mm) Holes
<b>Wind Survival</b>	>150 MPH (241 KPH)









**Antenna Patterns**



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**Mounting Options**

Hyperlink's patch antennas offer several unique mounting options. They can be mounted flat against a wall, or to a mast using a pair of 2 inch U-bolts. The antennas also accept most tilt-and-swivel security camera brackets equipped with standard 1/4-20 threads.

	Description	Part Number
	Small Metal Tilt-and-Swivel Mounting Bracket for indoor wall mounting. Includes wall-mounting hardware.	<b>HGX-PMT02</b>
	Medium Plastic Tilt-and-Swivel Mounting Bracket for indoor wall mounting. Includes wall-mounting hardware.	<b>HGX-PMT03</b>
	Large Metal Tilt-and-Swivel Mounting Bracket for indoor and outdoor wall or mast mounting. Includes wall-mounting hardware. Can be mast-mounted using U-Bolt Kit (sold separately).	<b>HGX-PMT04</b>
	Universal Antenna Mount powder coated galvanized steel "DSS-style" arm for outdoor wall mounting. Requires a pair of 2 inch U-bolts (sold separately).	<b>HGX-UMOUNT</b>
	Stationary Mounting Kit for mounting to 1-1/4" to 2" dia. masts. Includes U-Bolts, nuts and mast clamp.	<b>HGX-PMT07</b>
	60 Degree Tilt-and-Swivel Mounting Kit for mounting to 1-1/4" to 2" dia. masts. Mounting hardware included.	<b>HGX-PMT06</b>
	Ceiling/Wall Universal Antenna Mount can be used with HyperLink's 4.5" sq and 8.5" sq. patch antennas as well as N-Type bulkhead and TNC/BNC bulkhead omni directional antennas. Includes ceiling/wall mounting hardware.	<b>HGX-UMOUNT02</b>
	Window Mounting Kit Includes suction cups and mounting hardware.	<b>HGX-PMT08</b>