

2.4 GHz 8 dBi Wireless LAN Circular Polarized Flat Patch Antenna

Model: HG2409PC

Applications and Features

- 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

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.



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Specifications

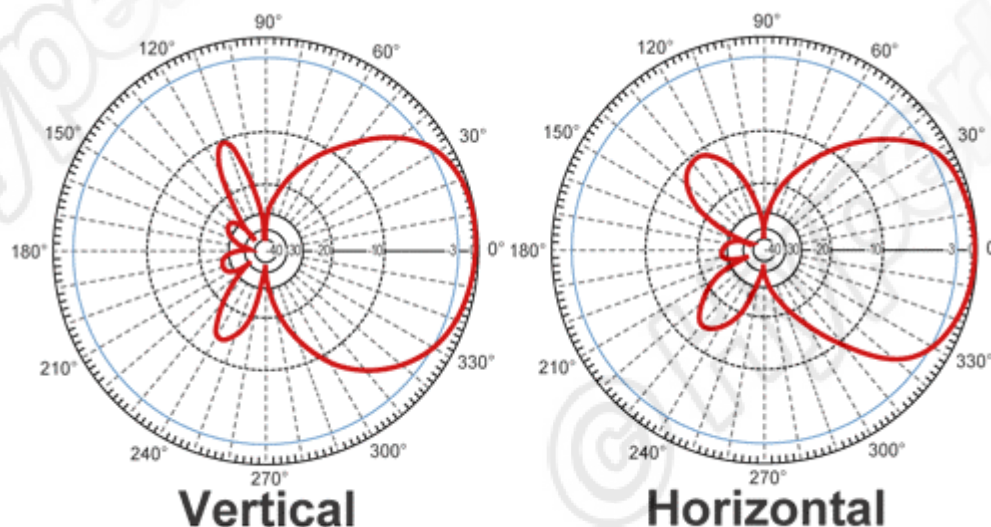
Electrical Specifications

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

Mechanical Specifications










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

Antenna Patterns



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.	HGX-PMT02
	Medium Plastic Tilt-and-Swivel Mounting Bracket for indoor wall mounting. Includes wall-mounting hardware.	HGX-PMT03
	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).	HGX-PMT04
	Universal Antenna Mount powder coated galvanized steel "DSS-style" arm for outdoor wall mounting. Requires a pair of 2 inch U-bolts (sold separately).	HGX-UMOUNT
	Stationary Mounting Kit for mounting to 1-1/4" to 2" dia. masts. Includes U-Bolts, nuts and mast clamp.	HGX-PMT07
	60 Degree Tilt-and-Swivel Mounting Kit for mounting to 1-1/4" to 2" dia. masts. Mounting hardware included.	HGX-PMT06
	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.	HGX-UMOUNT02
	Universal Corner Mounting Bracket: This bracket is designed to mount to an outside corner of a structure. It can be used with HyperLink's 4.5" and 8.5" sq. patch antennas, radome enclosed Yagi antennas, the HGX-PMT02 tilt & swivel bracket and can also accommodate the SC2402N and SC5802N 2-Way signal splitters as well as HyperAmp outdoor amplifiers.	HGX-UMOUNT03
	Window Mounting Kit Includes suction cups and mounting hardware.	HGX-PMT08