

HyperLink Wireless 5.4 GHz Flat Patch Wireless LAN Antennas

Model: HG5411P

Applications and Features

- 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

- Features:**
- Superior performance
 - Light weight, compact size
 - All weather operation
 - Durable UV-stable, UL flame rated radome
 - Low loss solid brass element
 - DC Short lightning protection
 - Integral SMA-Female Connector
 - Can be installed for either vertical or horizontal polarization
 - Optional Mounting Kits available



Description

Superior Performance

This low cost and compact flat patch WiFi antenna is an ideal for IEEE 802.11a wireless LAN applications in the 5.4GHz band as well as applications in the European unlicensed 5.4 GHz band. The antenna measures 4.5" square and combines 11 dBi gain with broad coverage. It is suitable for both indoor and outdoor applications. This antenna 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

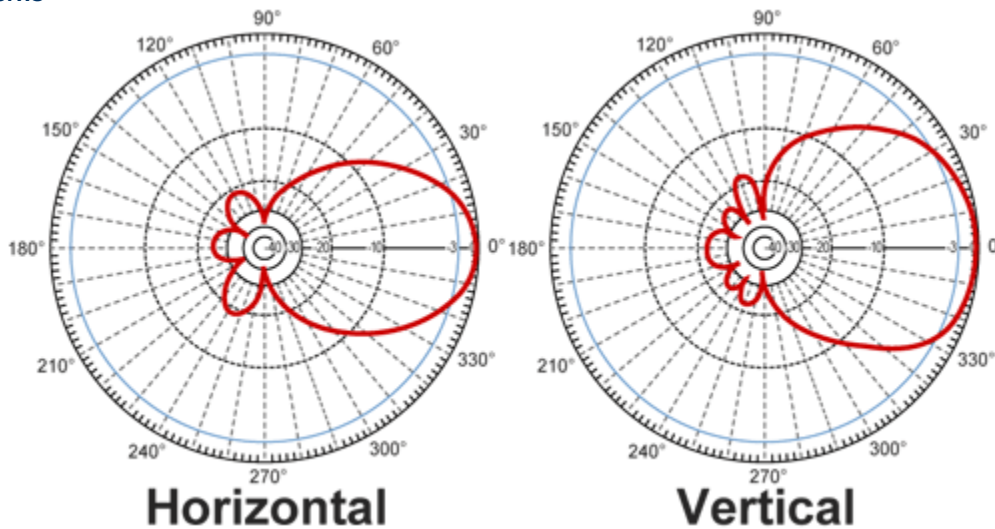
Electrical Specifications

Frequency	5470 - 5725 MHz
Gain	11 dBi
Horizontal Beam Width	30 degrees
Vertical Beam Width	60 degrees
Impedance	50 Ohm
VSWR	< 1.5:1 avg.
Lightning Protection	DC Short
Connector	Integral SMA-Female

Mechanical Specifications

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










RF 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.	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