



HyperGain® 2.4 GHz 8 dBi Wireless LAN Flat Patch Range Extender Antenna

Model: RE09P

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 protection
 - 4 foot coax lead
 - Can be installed for either vertical or horizontal polarization
 - Optional mounting brackets available



Description

Directional Range-Extender Antenna

This flat patch range extender WiFi antenna provides 8 dBi gain with very broad coverage. It is suitable for both indoor and outdoor use in the 2.4GHz ISM band including IEEE 802.11b, 802.11g and Bluetooth® applications. This antenna's construction is very lightweight and features an aesthetic UV-stable white plastic radome which can also be painted to match the room or building structure. The RE09P can be wall or ceiling mounted, as well as mast-mounted using U-bolts.



Antenna Specifications

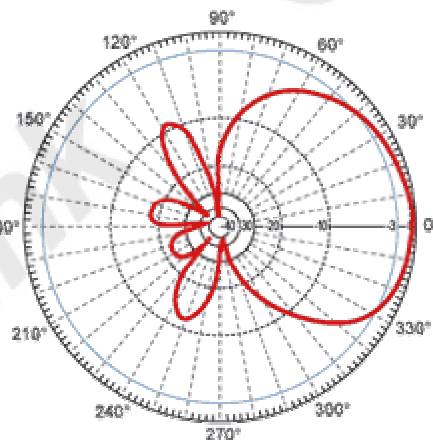
Electrical Specifications

Frequency	2400-2500 MHz
Gain	8 dBi
Horizontal Beam Width	75 degrees
Vertical Beam Width	65 degrees
Impedance	50 Ohm
VSWR	< 1.5:1 avg.
Lightning Protection	DC Short

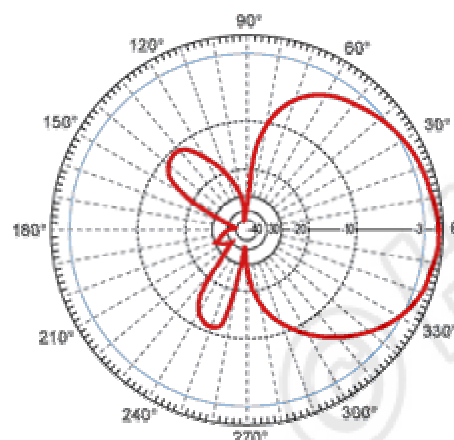
Mechanical Specifications

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
Mounting	Four ¼ in. (6.3 mm) Holes
Polarization	Horizontal or Vertical
Operating Temperature	-40° C to to 85° C (-40° F to 185° F)
Wind Survival	>150 MPH (241 KPH)

RF Antenna Patterns



Vertical












Horizontal



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