

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

Model: RE09P

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



### Description

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#### 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**

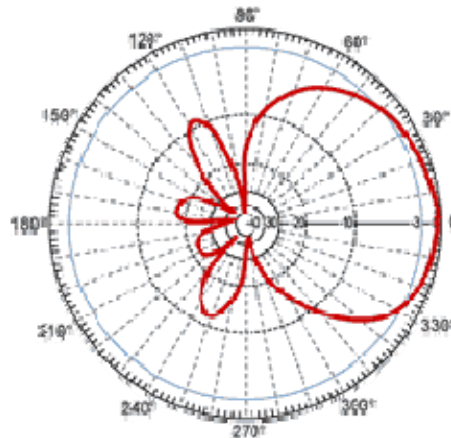
**Electrical Specifications**

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

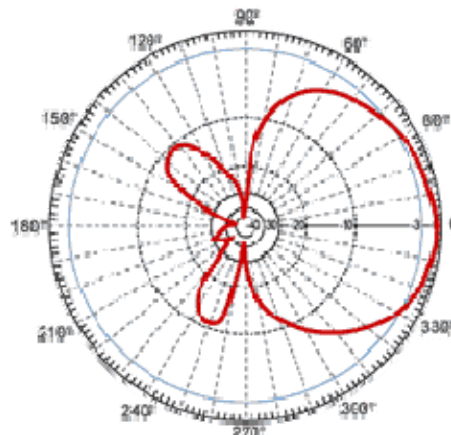
**Mechanical Specifications**

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**

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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>
	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.	<b>HGX-UMOUNT03</b>
	Window Mounting Kit Includes suction cups and mounting hardware.	<b>HGX-PMT08</b>