

## HyperLink Wireless 2.4 GHz 14 dBi Mast Mount Flat Patch Wireless LAN Antenna with Integral N-Female Connector and Mast Mounting Hardware

Model: HG2414P

### 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
  - Light weight
  - Durable UV-stable, UL flame rated radome
  - Low loss solid brass elements
  - DC Short lightning protection
  - Integral N-Female connector
  - Can be installed for either vertical or horizontal polarization
  - Includes tilt and swivel mast mount
  - Optional wall mounting brackets available



### Description

#### Directional Flat Patch Antenna

The HG2414P is a high performance directional flat patch WiFi antenna suitable for indoor and outdoor applications in the 2.4GHz ISM band, including IEEE 802.11b and 802.11g wireless LANs, Bluetooth®, and public wireless hotspots. This WiFi antenna is lightweight and features an aesthetic UV-stable, UL flame rated white plastic radome which can also be painted to match the room or building structure. It features an integral N-Female connector.

The HG2414P antenna is supplied with a 60 degree tilt and swivel mast mounting kit. This antenna can be wall mounted with the optional brackets below.



## Specifications

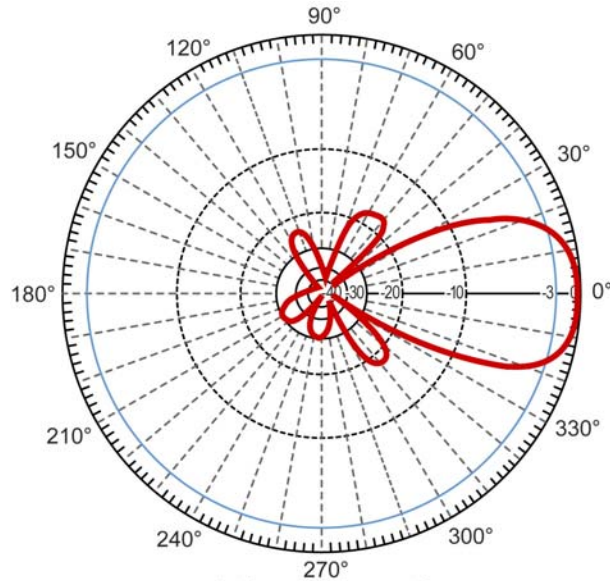
### Electrical Specifications

<b>Frequency</b>	2400-2500 MHz
<b>Gain</b>	14 dBi
<b>Horizontal Beam Width</b>	30 degrees
<b>Vertical Beam Width</b>	30 degrees
<b>Impedance</b>	50 Ohm
<b>VSWR</b>	< 1.5:1 avg.
<b>Lightning Protection</b>	DC Short

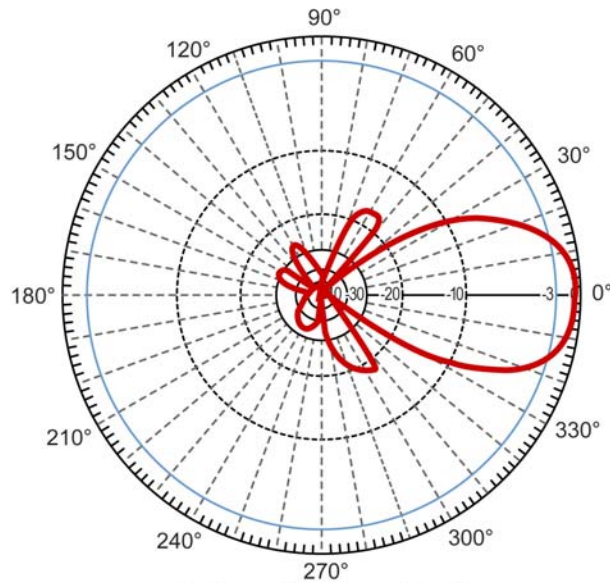
### Mechanical Specifications

<b>Output Connector</b>	"N" type Female
<b>Mounting</b>	1-1/4" (32 mm) to 2" (51 mm) dia. masts
<b>Vertical Tilt</b>	0-60°
<b>Weight</b>	.95 lbs. (.43 Kg)
<b>Dimensions</b>	8.5 x 8.5 x 1 (inches) 216 x 216 x 26 (mm)
<b>Radome Material</b>	UV-inhibited Polymer
<b>Flame Rating</b>	UL 94HB
<b>Polarization</b>	Horizontal or Vertical
<b>Operating Temperature</b>	-40° C to 85° C (-40° F to 185° F)
<b>Wind Survival</b>	>150 MPH (241 KPH)

RF Antenna Gain Patterns







**Vertical**



**Horizontal**

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**Mounting Options**

	Description	Part Number
	<p>Medium Plastic Tilt-and-Swivel Mounting Bracket for indoor wall mounting. Includes wall-mounting hardware.</p>	<p><b>HGX-PMT03</b></p>
	<p>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).</p>	<p><b>HGX-PMT04</b></p>
	<p>Universal Antenna Mount powder coated galvanized steel "DSS-style" arm for outdoor wall mounting. Requires a pair of 2 inch U-bolts (sold separately).</p>	<p><b>HGX-UMOUNT</b></p>
	<p>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.</p>	<p><b>HGX-UMOUNT02</b></p>