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 a 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.

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Specifications

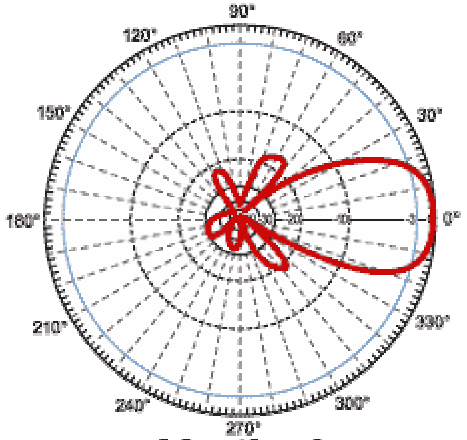
Electrical Specifications

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

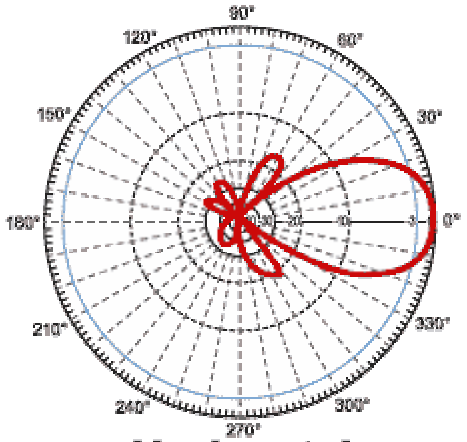
Mechanical Specifications

Output Connector	"N" type Female
Mounting	1-1/4" (32 mm) to 2" (51 mm) dia. masts
Vertical Tilt	0-60°
Weight	.95 lbs. (.43 Kg)
Dimensions	8.5 x 8.5 x 1 (inches) 216 x 216 x 26 (mm)
Radome Material	UV-inhibited Polymer
Flame Rating	UL 94HB
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 Gain Patterns



Vertical



Horizontal

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Mounting Options

	Description	Part Number
	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**
	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**

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