

HyperLink Wireless 2.4 GHz 12 dBi Radome Enclosed Wireless LAN Yagi Antenna

Model: HG2412Y

Applications and Features

Applications:

- 2.4 GHz ISM Band
- IEEE 802.11b and 802.11g Wireless LAN
- Directional and multipoint applications
- Bluetooth®
- Public Wireless Hotspot
- WiFi

Features:

- Superior performance
- Light weight
- All weather operation
- UV-stable, UL flame rated radome
- 45 ° beam-width
- DC Short lightning protection
- Can be installed for either vertical or horizontal polarization
- Includes tilt and swivel mast mount
- Optional wall/ceiling mount available



Description

Superior Performance

The HyperGain® HG2412Y Radome Enclosed Yagi WiFi Antenna features high gain and a 45° beam-width. It is ideally suited for directional and multipoint IEEE 802.11b and 802.11g wireless LANs, Bluetooth®, public wireless hotspot applications and other systems operating in the 2.4GHz ISM band. The unique design of this antenna allows it to be installed for either vertical or horizontal polarization.

Rugged and Weatherproof

The WiFi antenna is enclosed within a UV-stable, UL flame rated radome for all-weather operation. The HG2412Y antenna is supplied with a 60 degree tilt and swivel mast mount kit.



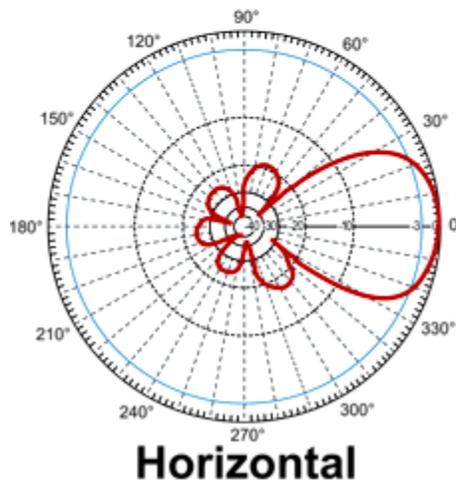
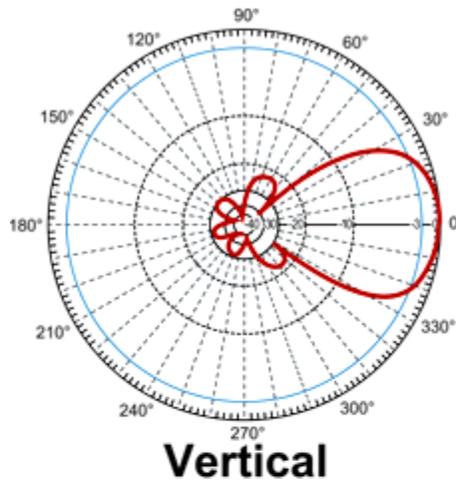
Specifications**Electrical Specifications**

Frequency	2400-2500 MHz
Gain	12 dBi
-3 dB Beam Width	45 degrees
Impedance	50 Ohm
Max. Input Power	50 Watts
VSWR	< 1.5:1 avg.
Lightning Protection	DC Short

Mechanical Specifications

Weight	1.3 lbs. (.59 kg)
Dimensions Length x Diameter	11.2 x 3 (inches) 284 x 76 (mm)
Radome Material	UV-inhibited Polymer
Flame Rating	UL 94HB
Operating Temperature	-40° C to 85° C (-40° F to 185° F)
Mounting	1-1/4" (32 mm) to 2" (51 mm) dia. masts
Polarization	Vertical and Horizontal
Wind Survival	>150 MPH

Antenna Gain Patterns



Mounting Options

	Description	Part Number
	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