

## 2.4 GHz 14.5 dBi Radome Enclosed Wireless LAN Yagi Antenna

Model: HG2415Y

### 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
- 30 ° 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



### Product Description

#### Superior Performance

The HyperGain® HG2415Y Radome Enclosed Yagi WiFi Antenna features high gain and a 30° 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

This WiFi antenna is enclosed within a UV-stable, UL flame rated radome for all-weather operation. The HG2415Y antenna is supplied with a 60 degree tilt and swivel mast mount kit.





## Specifications

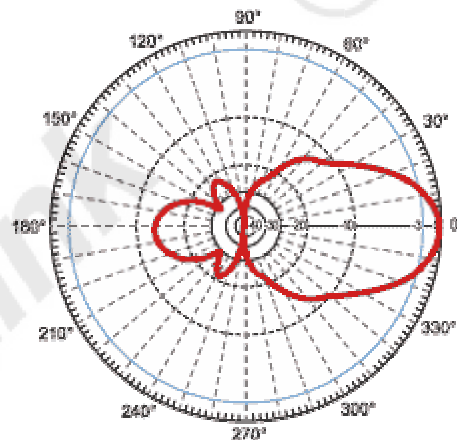
### Electrical Specifications

Frequency	2400-2500 MHz
Gain	14.5 dBi
-3 dB Beam Width	30 degrees
Impedance	50 Ohm
Max. Input Power	50 Watts
VSWR	< 1.5:1 avg.
Lightning Protection	DC Short

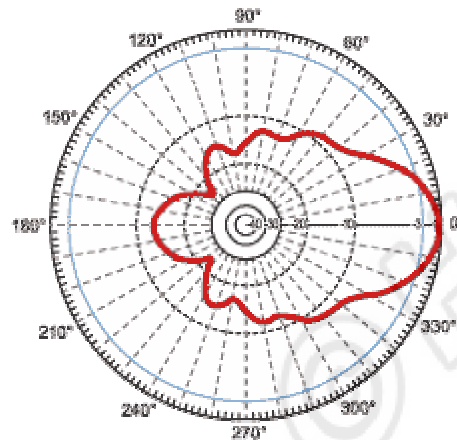
### Mechanical Specifications

Weight	1.8 lbs. (.81 kg)
Dimensions Length x Diameter	18.2 x 3 (inches) 462 x 76 (mm)
Radome Material	UV-inhibited Polymer
Flame Rating	UL 94HB
Operating Temperature	-40° C to 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





**Vertical**



**Horizontal**



## 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.	<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>