

HyperLink Wireless 2.4 GHz 12 dBi Radome Enclosed Yagi Antenna Model: HG2412Y

Applications

- 2.4 GHz ISM Band
- IEEE 802.11b, 802.11g and 802.11n WiFi applications
- Bluetooth® & public wireless hotspot
- Wireless video systems
- Directional and multipoint applications

Features

- Lightweight, all weather operation
- Durable UV-stable, UL flame rated radome
- 45 degree beamwidth
- Can be installed for either vertical or horizontal polarization
- Includes tilt and swivel mast mount



Description

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.

This yagi 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 Beamwidth	45 Degrees
Impedance	50 Ohm
VSWR	< 2.0:1 avg.
Max. Input Power	50 Watts
Lightning Protection	DC Short

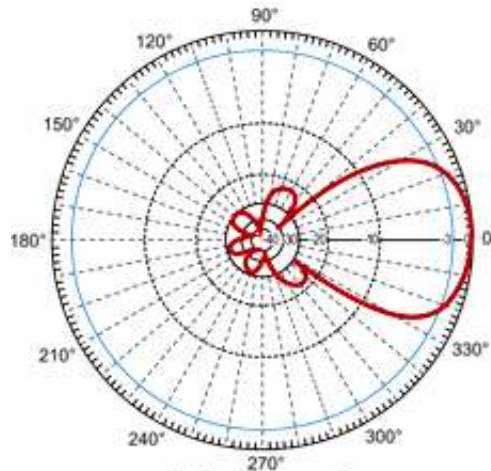
Mechanical Specifications

Weight	1.3 lbs. (0.59 kg)
Dimensions (Length x Dia)	11.2 x 3.0 Ø in. (284 x 76 Ø mm)
Radome Material	UV-inhibited Polymer
Flame Rating	UL 94HB
Mounting	1-1/4" (32mm) to 2" 51mm) Dia. Masts
Polarization	Horizontal or Vertical
Operating Temperature	-20°C to 60°C (-4°F to 140°F)
Wind Survival	>150 MHP (241 KPH)
RoHS Compliant	Yes

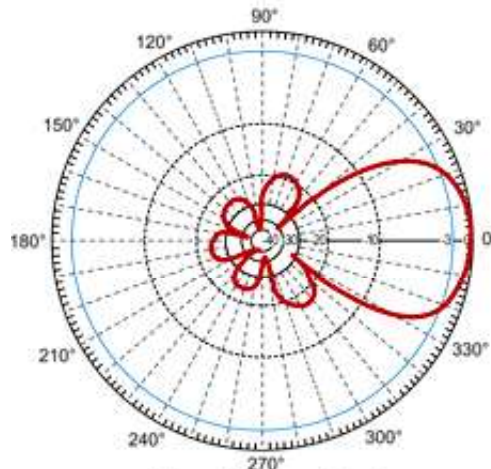
Wind Loading Data

Wind Speed (MPH)	Loading
100	7 lb.
125	11 lb.

RF Antenna Gain Patterns



Vertical



Horizontal