

# HyperLink Wireless 2.4 GHz 12 dBi Stainless Steel Yagi Antenna

Model: HG2412SY

## Applications and Features

- Applications:**
- 2.4 GHz ISM Band
  - IEEE 802.11b, 802.11g Wireless LAN
  - IEEE 802.11n (Pre-N, Draft-N, MIMO) Applications
  - Directional and multipoint applications
  - Bluetooth®
  - Public Wireless Hotspot
  - WiFi
  - Wireless Video Systems

- Features:**
- Superior performance
  - Light weight
  - All weather operation
  - Stainless steel construction
  - 40° beam-width
  - DC Short lightning protection
  - Includes tilt and swivel mast mount



## Description

The HyperGain® HG2412SY WiFi Yagi Antenna features high gain and a 40° beam-width. It is ideally suited for directional and multipoint IEEE 802.11b, 802.11g and 802.11n wireless LANs, Bluetooth®, public wireless hotspot applications and other systems operating in the 2.4GHz ISM band.

This antenna features a heavy-duty 1/2" stainless steel boom and solid 1/8" stainless steel elements, which ensures superior durability and long performance life in all weather conditions. The HG2412SY antenna is supplied with a tilt and swivel mast mount kit. This mounts provides 0-20 degree up or down tilt in 10 degree increments.



## Specifications

### Electrical Specifications

<b>Frequency</b>	2400-2483 MHz
<b>Gain</b>	12 dBi
<b>Polarization</b>	Vertical
<b>-3 dB Beam Width</b>	40 degrees
<b>Front to Back Ratio</b>	18 dB
<b>Impedance</b>	50 Ohm
<b>Max. Input Power</b>	100 Watts
<b>VSWR</b>	< 1.5:1 avg.
<b>Lightning Protection</b>	DC Short

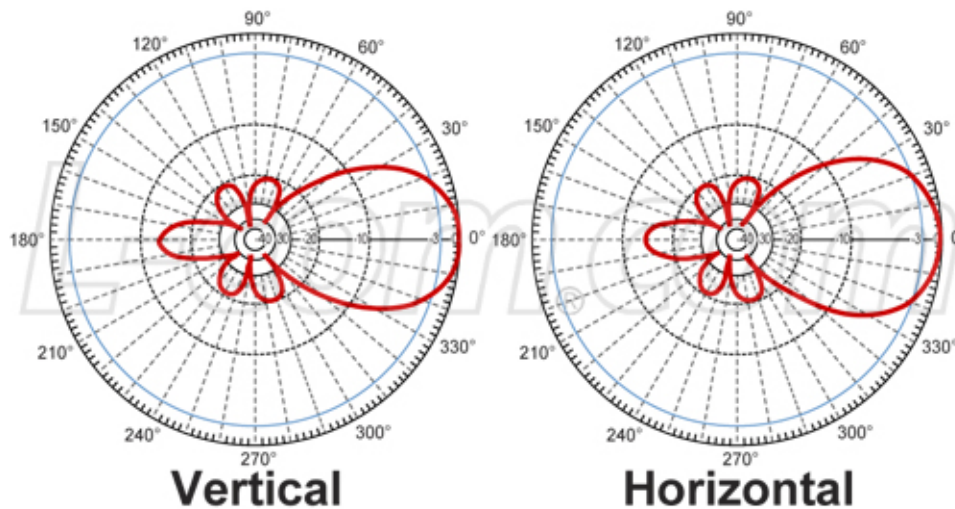
**Mechanical Specifications**

<b>Weight</b>	1.8 lbs. (.82 kg)
<b>Length</b>	22.8 in. (580 mm)
<b>Elements</b>	12
<b>Operating Temperature</b>	-40° C to 85° C (-40° F to 185° F)
<b>Mounting</b>	1.5" (40 mm) to 2.3" (60 mm) dia. masts
<b>Wind Survival</b>	>124 MPH

**Wind Loading Data**

<b>Wind Speed (MPH)</b>	<b>Loading</b>
100	5.6 lb.
125	8.8 lb.
100 with 1/2" Radial Ice	8 lb.

**Antenna Gain Patterns**



**Guaranteed Quality**

This product is backed by L-Com's Limited Warranty