

## HyperLink Wireless 2.4 GHz High Performance 12 dBi Omnidirectional Wireless LAN Antenna

Model: HG2412U

### Applications and Features

- Applications:**
- 2.4 GHz ISM Band
  - IEEE 802.11b and 802.11g Wireless LAN
  - Bluetooth®
  - Public Wireless Hotspot
  - WiFi
  - Wireless Video Systems
  - Multipoint and Mobile Applications

- Features:**
- Superior performance
  - Lightweight fiberglass radome
  - All weather operation
  - Heavy-duty steel mounting brackets
  - 12" Coax lead (N-Female model only)
  - RoHS Compliant



### Description

#### Economical and High Performance

The HyperGain® HG2412U is a high gain omnidirectional base station WiFi antenna designed and optimized for the 2.4GHz ISM band. This lightweight antenna is ideally suited for IEEE 802.11b and 802.11g wireless LANs, Bluetooth® and other multipoint applications where long range and wide coverage is desired.

This WiFi antenna features a coax lead terminated with an N-Female connector. Other connector options are available. The mounting system consists of a steel bracket and a pair of 2.5 inch U-bolts, allowing installation on masts up to 2.0 inches in diameter.



### Specifications

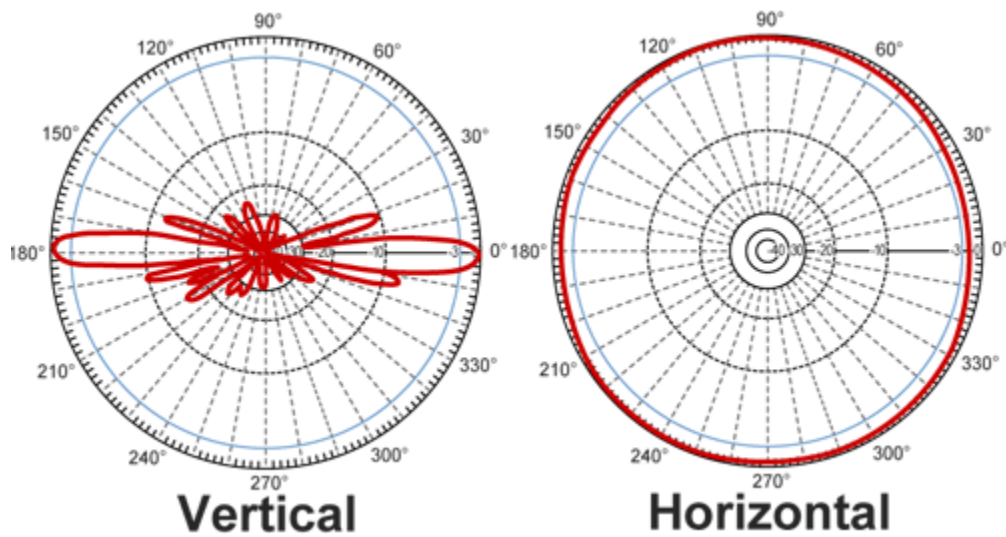
#### Electrical Specifications

<b>Frequency</b>	2400-2500 MHz
<b>Gain</b>	12 dBi
<b>Polarization</b>	Vertical
<b>Vertical Beam Width</b>	8°
<b>Horizontal Beam Width</b>	360°
<b>Impedance</b>	50 Ohm
<b>Max. Input Power</b>	50 Watts
<b>VSWR</b>	< 1.5:1 avg.

**Mechanical Specifications**

<b>Weight</b>	1.7 lbs (0.8kg)
<b>Length</b>	48 in. (1.2m)
<b>Diameter</b>	.740 in. (18.8mm)
<b>Radome Material</b>	Gray Fiberglass
<b>Mounting</b>	2.0" diameter mast max.
<b>Wind Survival</b>	>150 MPH
<b>RoHS Compliant</b>	Yes
<b>Operating Temperature</b>	-40° C to 85° C (-40° F to 185° F)

**RF Antenna Gain Patterns**



**Guaranteed Quality**

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