

HyperLink Wireless 2.3 GHz to 6.5 GHz Ultra-Wideband (UWB) 8 dBi Radome Enclosed Log Periodic Antenna

Applications and Features

- Applications:**
- 802.11a, 802.11b, 802.11g and 802.11n access points and routers
 - 802.16 and 802.20 applications
 - WiMAX Technology
 - WiFi Systems
 - Homeland Security and Public Safety Services: Fire, Police, Security

- Features:**
- Ultra-Wideband design
 - Ideal for use with multiband access points and routers
 - Superior performance
 - Compact size, low profile and easy to mount
 - 9 inch coax lead



Model: HG2458-08LP

Description

Superior Performance

The HyperGain® HG2458-08LP is a high performance ultra wide band log periodic antenna designed to operate from 2.3 GHz to 6.5 GHz. This Ultra-Wideband design eliminates the need to purchase different antennas for each frequency. This simplifies installations since the same antenna can be used for a wide array of wireless applications where wide coverage is desired. The broadband characteristics of the antenna enables it to operate over a very wide frequency rang with consistent gain. This antenna features 8 dBi of gain and a 60 degree beam width. This antenna is ideal for use with the following applications:

- ◇ 2.3 GHz WCS/CDMA band
- ◇ 2.4 GHz 802.11a, 802.11b, 802.11g and 802.11n
- ◇ 2.3-2.5 GHz, 2.5-2.7 GHz, 3.4-3.5 GHz and 3.3-3.9 GHz WiMAX
- ◇ 2.6 GHz MMDS, 802.16, 802.20
- ◇ 3.5 GHz 802.16e
- ◇ 4.9 GHz homeland security band
- ◇ 5.3 GHz, 5.4 GHz and 5.8 GHz 802.11a
- ◇ 5.8 GHz ISM, UNII and Mesh Networks

Rugged and Weatherproof

The internal components of this antenna are enclosed within a UV-stable white fiberglass radome for all-weather operation. It is supplied with a swivel mast mount kit.



Specifications

Electrical Specifications

Frequency	2300-6500 MHz
Gain	8 dBi
Horizontal Beam Width	80 degrees
Vertical Beam Width	60 degrees
Impedance	50 Ohm
Max. Input Power	50 Watts
VSWR	≤1.5:1
Front to Back Ratio	≥20 dB

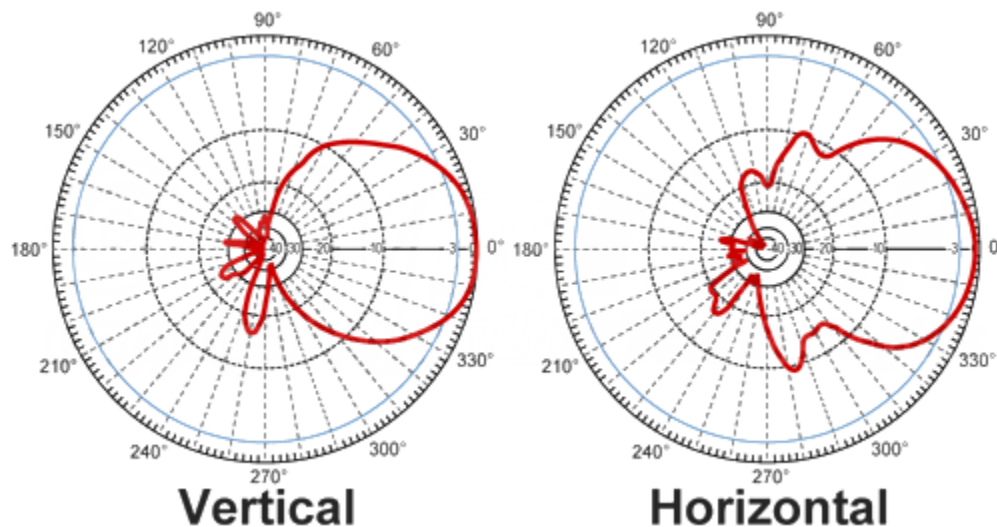
Mechanical Specifications

Weight	1.3 lbs. (.6 kg)
Dimensions L x H x W	6.3 x 3.5 x 1.3 in (162 x 90 x 33 mm)
Radome Material	UV-stable white fiberglass
Operating Temperature	-40° C to 85° C (-40° F to 185° F)
Mounting	1.5" (40 mm) to 1.9" (50 mm) dia. masts
Polarization	Vertical

Wind Loading Data

Wind Speed (MPH)	Loading
100	8.9 lb.
125	13.8 lb.

Antenna Gain Patterns



Guaranteed Quality

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