

HyperLink Wireless 800-2500MHz Broadband 11 dBi Radome Enclosed Log Periodic Antenna

Applications and Features

- Applications:**
- GSM/CDMA/PCS/3G/WLAN
 - 800 TO 2500MHz Band
 - 802.11a, 802.11b, 802.11g and 802.11n access points and routers
 - WiFi Systems

- Features:**
- Broadband, low VSWR
 - Sealed with radome, strong protection
 - Supplied with mast down-tilt bracket
 - Superior Performance
 - Ideal for use with multiband access points and router



Model: HG824-11LP-NF

Description

Superior Performance

The HyperGain® HG824-11LP-NF is a high performance wide band log periodic antenna designed to operate from 800MHz to 2500MHz. This 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. It is also 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. The broadband characteristics of the antenna enable it to operate over a very wide frequency range. This antenna features 11 dBi of gain and a 60 degree vertical beam width. This antenna is ideal for use with the following applications:

- ◇ 900MHz ISM Band & 900MHz cellular applications
- ◇ PCS cellular radio applications
- ◇ GSM, RFID
- ◇ Wireless Video Links
- ◇ 2.3 GHz WCS BAND
- ◇ 2.36 GHz CDMA Band
- ◇ 2.4 GHz 802.11a, 802.11b, 802.11g and 802.11n
- ◇ Bluetooth & Public Wireless Hotspots

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

Model	HG824-11LP-NF	
Frequency	800-960MHz	1710- 2500MHz
Gain	9.5 dBi	11dBi
Horizontal Beam Width	80 degrees	60 degrees
Vertical Beam Width	60 degrees	50 degrees
Polarization	Vertical	Vertical
Impedance	50 Ohm	50 Ohm
Max. Input Power	100 Watts	100 Watts
VSWR	≤1.5:1	≤1.5:1
Front to Back Ratio	≥20 dB	≥20 dB

Mechanical Specifications

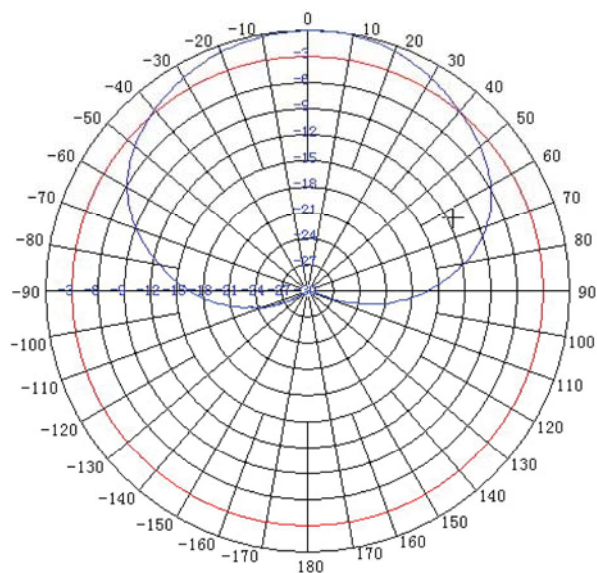
Weight	2.42 lbs. (1.1 kg)
Dimensions L x H x W	12.9 x 8.4 x 2.5 in (330 x 215 x 65 mm)
Radome Material	UV-stable white fiberglass
Operating Temperature	-40° C to 85° C (-40° F to 185° F)
Mounting	1.5" (40 mm) to 1.9" (50 mm) dia. masts
Polarization	Vertical

Specifications

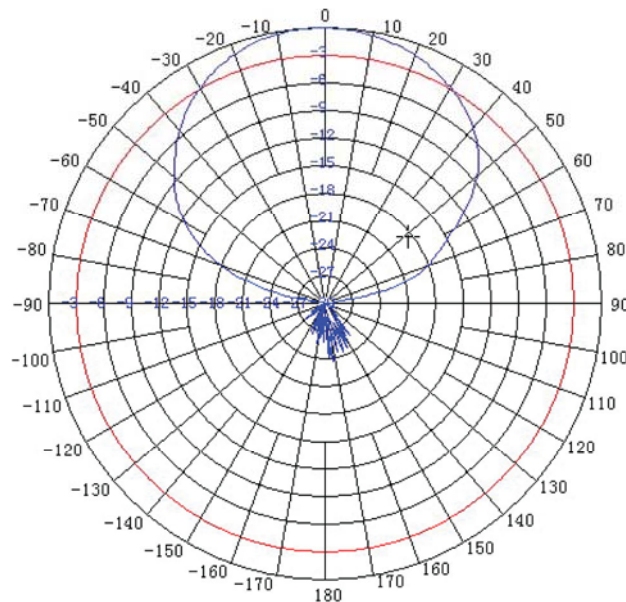
Wind Loading Data

Wind Speed (MPH)	Loading
100	23.5 lb.
125	36.2 lb.

Antenna Gain Patterns



Horizontal-Plane Pattern



Vertical-Plane Pattern

Guaranteed Quality

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