

HyperLink Wireless Brand 800-2500 MHz Broadband 11 dBi Radome Enclosed Log Periodic Antenna - Model: HG824-11LP-NF

Applications

- GSM/CDMA/PCS/3G/4G/WLAN
- Distributed Antenna Systems, DAS
- 800 – 2500 MHz band
- IEEE 802.11b/g/n Access Points and Routers
- WiFi and Wireless video systems

Features

- Broadband, low VSWR
- Sealed radome, all weather operation
- Ideal for use with multiband Access Points and Routers
- Supplied with tilt and swivel mast bracket



Description

Superior Performance

The HyperLink HG824-11LP-NF is a high performance wide band log periodic antenna designed to operate continuously from 800 MHz to 2500 MHz. 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.

The HG824-11LP-NF is ideal for Distributed Antenna Systems, DAS. A DAS system is used to distribute Cellular and WiFi signals throughout a building or area. It is also suited for directional and multipoint IEEE 802.11b/g/n wireless LANs, 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.

Rugged and Weatherproof

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



Specifications

Electrical Specifications

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

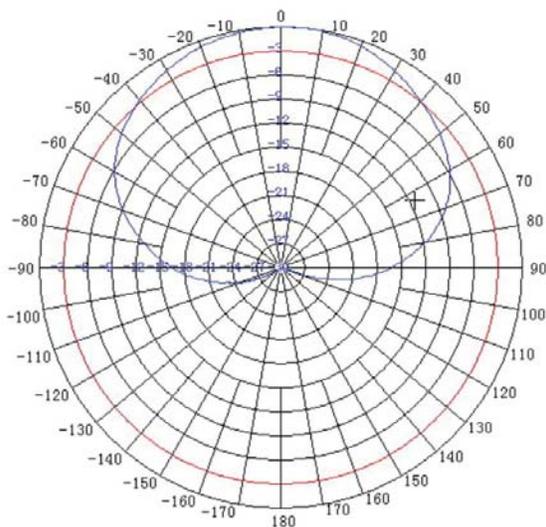
Mechanical Specifications

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 62 mm)
Radome Material	UV-Stable White ABS
Operating Temperature	-40° C to 85° C (-40° F to 185° F)
Mounting	1.5 in. (40 mm) to 1.9 in. (50 mm) dia. masts
RoHS Compliant	Yes

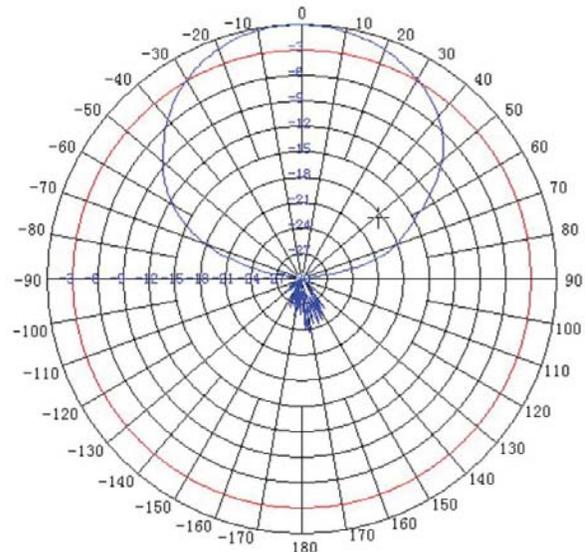
Wind Loading Data

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

Antenna Gain Patterns



Horizontal-Plane Pattern



Vertical-Plane Pattern