HyperLink Wireless Brand 2.3 GHz to 6.5 GHz Broadband 8 dBi Radome Enclosed Log Periodic Antenna - Model: HG2458-08LP

Applications

- 802.11a/b/g/n Access Point and Routers
- 802.16 and 802.10 WiMAX applications
- WiFi systems
- Distributed Antenna Systems (DAS) and Ultra Wide Band (UWB) applications
- Homeland Security and Public Safety Services: Fire, Police, Security

Features

- Ultra Wide Band design
- 2.3 to 6.5 GHz continuous coverage
- Ideal for multiband Access Points and Routers
- Compact size, low profile and easy to mount
- 9 inch coax lead

RoHS Compliant

Description

Superior Performance

The HyperLink 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 installation 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. The HG2458-08LP is ideal for Distributed Antenna Systems, DAS. A DAS system is used to distribute signals operating in different frequency bands like 802.11a/b/g/n or WiMAX throughout a building or area. This antenna features 8 dBi of gain and a 60 degree beam width.

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.

L-com, Inc. 50 High St., West Mill, 3rd Floor, Suite #30 North Andover, MA 01845
www.L-com.com E-mail: sales@L-com.com Phone: 1-800-343-1455 Fax: 1-978-689-9484

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