

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



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.



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

