

HyperLink Wireless 698-960/1710-2700 MHz DAS 11 dBi Log Periodic Antenna Model: HG72710LP-NF

Applications

- DAS (Distributed Antenna Systems)
- 700 MHz and cellular applications
- AWS (Advanced wireless services) and PCS (Personal communications services)
- IEEE 802.11b/g WiFi applications
- LTE networks

Features

- Superior Performance
- Weatherproof ABS
- Internal combiner eliminated the need for separate coax cables for each frequency
- Supplied with tilt and swivel mast bracket



Description

Superior Performance

The HyperLink HG72710LP-NF is a high performance wide band log periodic antenna designed to operate from 698-960 MHz and 1710-2700 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 HG72710LP-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 9/10 dBi of gain and a 56°/45° 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 | 698-960 MHz | 1710-2500 MHz |
| Gain | 9 dBi | 10 dBi |
| Horizontal Beam Width | 78° | 75° |
| Vertical Beam Width | 56° | 45° |
| Front to Back Ratio | ≥ 19 dB | |
| Polarization | Vertical | |
| Impedance | 50 Ohm | |
| Max. Input Power | 50 Watts | |
| VSWR | ≤ 1.6:1 | |

Mechanical Specifications

| | |
|------------------------------|---|
| Weight | 2.01 lbs. (0.91 kg) |
| Dimensions L x H x W | 11.6 x 8.1 x 2.4 in. (295 x 207 x 60 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

