

## 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

<b>Frequency</b>	698-960 MHz	1710-2500 MHz
<b>Gain</b>	9 dBi	10 dBi
<b>Horizontal Beam Width</b>	78°	75°
<b>Vertical Beam Width</b>	56°	45°
<b>Front to Back Ratio</b>	≥ 19 dB	
<b>Polarization</b>	Vertical	
<b>Impedance</b>	50 Ohm	
<b>Max. Input Power</b>	50 Watts	
<b>VSWR</b>	≤ 1.6:1	

### Mechanical Specifications

<b>Weight</b>	2.01 lbs. (0.91 kg)
<b>Dimensions L x H x W</b>	11.6 x 8.1 x 2.4 in. (295 x 207 x 60 mm)
<b>Radome Material</b>	UV-Stable White ABS
<b>Operating Temperature</b>	-40° C to 85° C (-40° F to 185° F)
<b>Mounting</b>	1.5 in. (40 mm) to 1.9 in. (50 mm) dia. masts
<b>RoHS Compliant</b>	Yes

### Wind Loading Data

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

### Antenna Gain Patterns

