

# 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	≥ 19 dB	
Polarization	Vertical		
Impedance	50 Ohm		
Max. Input Power	50 Watts	50 Watts	
VSWR	≤ 1.6:1	≤ 1.6:1	

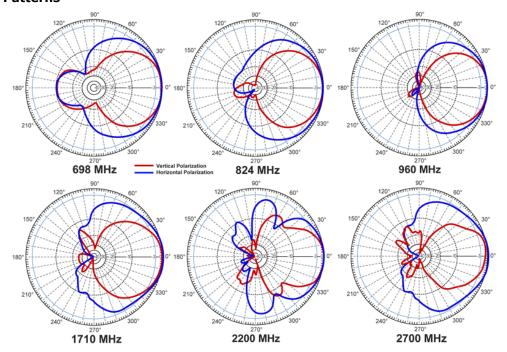
## **Mechanical Specifications**

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**



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