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HyperLink Wireless Brand 698-960/1710-2170 MHz 4/7 dBi Omni DAS Antenna Model: HG72107U-PRO

Applications

- DAS (Distributed Antenna Systems)
- 700 MHz and cellular applications
- AWS (Advanced wireless services) band applications
- PCS (Personal communications service) band applications
- LTE networks



Features

- Frequency coverage for 700 MHz, 850 MHz, AWS and PCS bands
- All weather operation
- Heavy duty steel mounting brackets
- Integral N-Female connector
- Internal combiner eliminates the need for separate coax cables for each frequency

RoHS Compliant

Description

The HyperLink HG72107U-PRO is a professional grade Omni-directional antenna specifically designed for DAS (Distributed Antenna Systems). This outdoor all weather antenna helps wireless carriers to quickly increase capacity as well as deploy new spectrum in zoning challenged locations. The HG72107U-PRO combines several different frequency bands to allow multi-user options. Applications for the HG72107U-PRO include:

- Densely populated urban areas
- Educational campuses
- Resorts and theme parks
- Parks and nature centers



Rugged and Weatherproof

This antenna's construction features a durable fiberglass radome for durability and aesthetics. Its mounting system features twin heavy-duty mounting brackets and U-Bolts for superior strength. The thick brass elements provide long life in hostile environments.

Single Antenna Feed

The HG72107U-PRO features a single N-Female connector due to the antenna’s internal combiner. This simplifies installation since only one coax cable is required to be sent to the antenna.

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Specifications

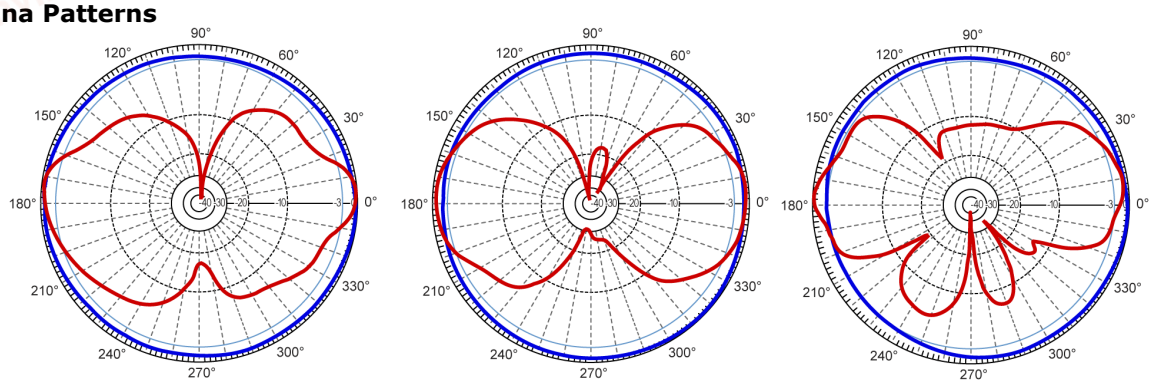
Electrical Specifications

Frequency Range	698 – 960 MHz	1710 – 2170 MHz
Gain	4 dBi	7 dBi
Horizontal Beamwidth	360°	
Vertical Beamwidth	55°	28°
Polarization	Vertical	
Impedance	50 Ohm	
Max. Input Power	200 Watts	
VSWR	< 1.8	
Lightning Protection	DC Short	

Mechanical Specifications

Connector	Integral N-Female
Weight	2.6 lbs (1.17 kg)
Length	40.25 in. (1.02m)
Base Diameter / Radome Diameter	1.69 in. (42.9mm) / 1.52 in. (38.6mm)
Radome Material	Gray Fiberglass Weatherproof
Mounting Mast Size	1.18 – 2.36 in. (30 – 60mm)
Rated Wind Velocity	130mph (210km/h)
Operating Temperature	-40° C to 85° C (-40° F to 185° F)
RoHS Compliant	Yes

RF Antenna Patterns



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
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