

HyperLink Wireless 698-2700 MHz 10 dBi 65° Cross-Polarized Sector DAS Antenna - Model: HG72710XP-065

Applications

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

Features

- Frequency coverage for 700 MHz, 850 MHz, AWS and PCS bands
- Dual cross polarized (X-Pol) in one antenna
- All weather operation
- Heavy duty steel mounting bracket with easy elevation and tilt adjustment
- Dual polarity feed system - (2) N-Female connectors



Description

The HyperLink HG72710XP-065 is a professional grade 65 degree cross polarized sector panel 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 HG72710XP-065 combines several different frequency bands to allow multi-user options. Applications include:

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

Cross Polarized – X-Pol

The HG72710XP-065 features two independent antennas with cross polarization. This feature doubles the wireless capacity over the same channels. The antenna is fed via two N-Female ports, one for +45° polarized and one for -45° polarized signals. This feature makes these antennas ideal for polarization diversity systems.

Rugged and Weatherproof

This antenna's construction features a durable UV resistant PVC radome for durability and aesthetics. Its mounting system features a heavy-duty up/down tilt mounting bracket. This allows installation at various degrees of incline for easy alignment.



Specifications

Electrical Specifications

Frequency Range	698 – 960 MHz	1710 – 2200 MHz	2200 – 2700 MHz
Gain	9.5 dBi	10 dBi	10 dBi
Polarization	±45°	±45°	±45°
Horizontal Beamwidth (-3 dBi)	63°	62°	58°
Vertical Beamwidth (-3 dBi)	62°	56°	56°
Impedance	50 Ohm		
Isolation	> 26 dB		
Front to Back Ratio	> 21 dB		
Cross-Pol Discrimination	> 15 dB (±30 > 10 dB)		
Max. Input Power	100 Watts		
VSWR	1.9:1		
Lightning Protection	DC Ground		

Mechanical Specifications

Connectors	(2) Integral N-Female
Weight (Including Bracket)	8.1 lbs (3.7 kg)
Dimensions	17.6 x 11.0 x 4.9 in. (447 x 280 x 126mm)
Radome Material	UV Resistant PVC
Radome Color	Grey
Mounting Mast Size (Dia.)	1.2 – 2.4 in. (30 – 60mm)
Mechanical Tilt	0-15°
Operating Temperature	-40° C to 60° C (-40° F to 140° F)
RoHS Compliant	Yes

Wind Loading Data

Wind Speed (MPH)	Loading – Front	Loading – Side
100	69 lbs	31 lbs
125	108 lbs	48 lbs

RF Antenna Patterns

