

Applications and Features

Applications:	 5.8GHz UNII applications 5.8GHz ISM applications 5.8GHz Wireless LAN systems Long-range Directional Applications Point to Point, Point to Multi-point Systems Wireless Bridges
	Backhaul Applications
Features:	 Superior performance Aluminum reflector dish UV Stable light gray polymer finish All weather operation Vertical or horizontal polarized mounting Includes tilt and swivel mast mount ki Optional radome cover kits available

RoHS Compliant

Optional Radome Cover

www.L-com.com

Model: HG5829D



Description

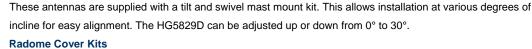
Superior Performance

The HyperGain® 5.8GHz High-Performance Parabolic Dish WiFi Antenna is ideal for directional 5.8GHz ISM / UNII band applications. It features 29 dBi with a 6° beam-width. These antennas can be oriented for either vertical or horizontal polarization.

Rugged and Weatherproof

The reflector dish of these antennas are constructed from high quality aluminum, which gives them superior strength. The dish is coated in a light gray UV-inhibited polymer for durability and aesthetics. The small diameter of the dish helps minimize wind loading.





HyperGain® Radome Covers are an ideal way to provide additional protection to our parabolic dish antennas. These light weight radome kits feature fiberglass construction and UV stable gray finish. Drain holes are provided on the radome cover to help prevent moisture build-up inside the dish antenna.

These radome kits bolt directly to the dish antennas with the provided stainless steel hardware. Drilling mounting holes in the antenna is not required. The radome cover can be attached to existing antennas already mounted in the field or pre-assemble to the antenna before mounting.





Specifications

Frequency	5725-5850 MHz	
Gain	29 dBi	
Polarization	Horizontal or Vertical	
Horizontal Beam Width	6°	
Vertical Beam Width	6°	
Front to Back Ratio	35 Db	
Impedance	50 Ohm	
Max. Input Power	100 Watts	
VSWR	< 1.5:1 avg.	
Weight	13.2 lbs. (6 kg)	
Diameter	23.6 in. (600 mm)	
Mounting	2 in. (50.8 mm) diameter mast max.	
Operating Temperature	-40° C to 85° C (-40° F to 185° F)	
Lightning Protection	DC Short	
Connector	N-Female	
RoHS Compliant	Yes	
Radome Cover Part Number	HGR-06	

Wind Loading Data

Wind Speed (MPH)	Loading	With Radome
100	113 lb.	75 lb.
125	177 lb.	116 lb.

RF Antenna Patterns

