

5.8 GHz ISM / UNII Band 27 dBi Reflector Grid Wireless LAN Antenna - Model: HG5827G

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
- Wireless Video Systems

Features:

- 27 dBi gain
- Superior performance
- Cast aluminum construction
- UV stable light gray powder coat finish
- All weather operation
- Easy to assemble



Description

Superior Performance

The HyperGain® HG5827G High-Performance Reflector Grid Wi-Fi Antenna is ideal for long-range highly directional 5.8GHz ISM and UNII band applications. These antennas are ideal for point to point systems, point to multi-point and wireless bridges. Its compact design makes it nearly invisible in most installations, and it can be installed for either vertical or horizontal polarization.

Rugged and Weatherproof

The antennas' construction features a rustproof cast aluminum reflector grid for superior strength and lightweight. The 2-piece reflector grid is simple to assemble and significantly reduces shipping costs. The grid surface is UV powder coated for durability and aesthetics. The open-frame grid design minimizes wind loading. This antenna is supplied with a 60-degree tilt and swivel mast mount kit. This allows installation at various degrees of incline for easy alignment. They can be adjusted up or down from 0° to 60°.



Vertical or Horizontal Polarization



Tilt & Swivel Mast Mount



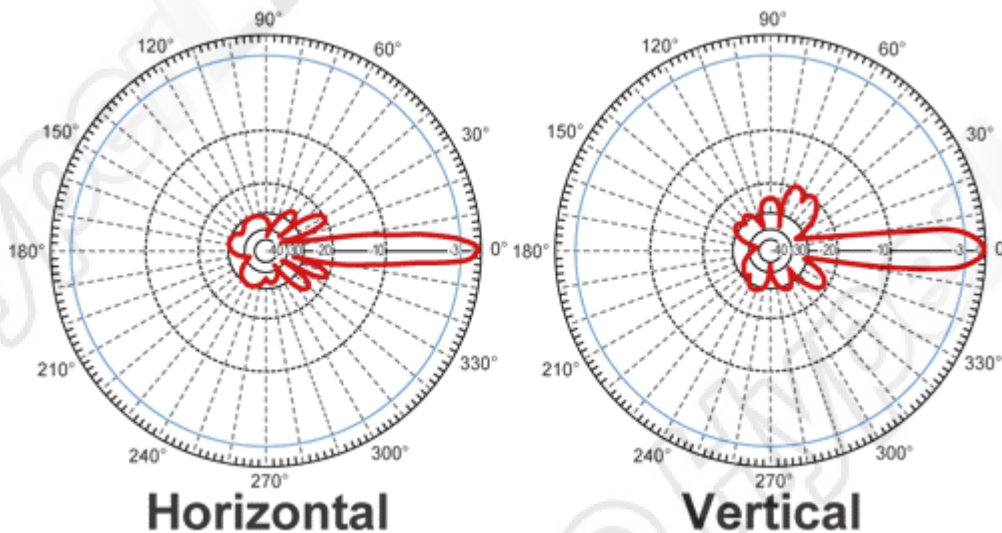
Specifications

Frequency	5725-5850 MHz
Gain	27 dBi
Polarization	Horizontal or Vertical
Horizontal Beam Width	6°
Vertical Beam Width	9°
Front to Back Ratio	25 dB
Impedance	50 Ohm
Max. Input Power	100 Watts
VSWR	< 1.5:1 avg.
Weight	5.3 lbs. (2.4 kg)
Grid Dimensions	15.7 x 23.6 inches (400 x 600 mm)
Mounting	2 in. (50.8 mm) diameter mast max.
Operating Temperature	-40° C to to 85° C (-40° F to 185° F)
Lighting Protection	DC Short
Connector	N-Female
RoHS Compliant	Yes

Wind Loading Data

Wind Speed (MPH)	Loading
100	20.0 lb.
120	31.0 lb.

RF Antenna Patterns



Guaranteed Quality

This product is backed by Hyperlink's Limited Warranty