



## 5.8 GHz 32.5 dBi ISM / UNII Band High Performance Parabolic Dish Wireless LAN Antenna

Model: HG5833D

### 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
  - Perforated dish helps reduce wind loading
  - UV Stable light gray polymer finish
  - All weather operation
  - Vertical or horizontal polarized mounting
  - Includes tilt and swivel mast mount kit
  - Optional radome cover kits available



### 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 32.5 dBi with a 5° 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.

These antennas are supplied with a tilt and swivel mast mount kit. This allows installation at various degrees of incline for easy alignment. The HG5833D can be adjusted up or down from 0° to 30°.



#### Radome Cover Kits



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	32.5 dBi
Polarization	Horizontal or Vertical
Horizontal Beam Width	5°
Vertical Beam Width	5°
Front to Back Ratio	38 Db
Impedance	50 Ohm
Max. Input Power	100 Watts
VSWR	< 1.5:1 avg.
Weight	20 lbs. (9 kg)
Diameter	35.4 in. (900 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
Radome Cover Part Number	HGR-09

## Wind Loading Data

Wind Speed (MPH)	Loading	With Radome
100	256 lb.	111 lb.
125	400 lb.	173 lb.

## RF Antenna Patterns

HG5833D

