

2.4 GHz 30 dBi High Performance Reflector Grid Wireless LAN Antenna

Model: HG2430G

Applications and Features

Applications:

- 2.4 GHz ISM Band
- IEEE 802.11b and 802.11g Wireless LAN
- WiFi Systems
- Long-range Directional Applications
- Point to Point Systems
- Point to Multi-point Systems
- Wireless Bridges
- Backhaul Applications

Features:

- Superior performance
- Welded galvanized steel construction
- UV stable light gray powder coat finish
- All weather operation
- 5.3° beam-width
- 18 inch coax lead
- Two piece reflector grid significantly reduces shipping costs
- Simple to assemble
- RoHS Compliant



Description

Superior Performance

The HyperGain® High Performance Parabolic Grid WiFi Antenna provides 30 dBi gain with a 5.3° beam-width for highly directional long range applications. Additional applications include point to point systems, point to multi-point and wireless bridges in the 2.4GHz ISM band as well as IEEE 802.11b and 802.11g wireless LAN systems. External interference of this antenna is minimized due to the excellent front to back ratio. This antenna comes with a 18" coax lead terminated with an N-Female connector.

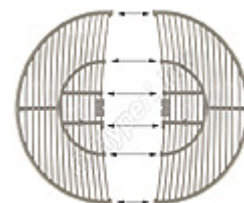
Rugged and Weatherproof

This antenna's construction features a welded steel reflector grid for superior strength. The grid surface is UV powder coated for durability and aesthetics, and the open-frame design minimizes wind loading.

Two Piece Design

An HyperLink exclusive, this antenna's 2-piece reflector grid is simple to assemble. The 2-piece design significantly reduces shipping costs compared to similar antennas with one piece reflector grids.

The HG2430G antenna is supplied with a heavy duty 30 degree tilt and swivel mast mount kit. This allows installation at various degrees of incline for easy alignment.



Specifications

Electrical Specifications

Frequency	2400-2500 MHz
Gain	30 dBi
Horizontal Beam Width	5.3°
Vertical Beam Width	5.3°
Front to Back Ratio	> 30 dB
Impedance	50 Ohm
Max Power	100 Watts
VSWR	< 1.5:1 avg.

Mechanical Specifications

Weight	35 lbs. (16 kg)
Dimensions	59" Dia. (1.5 m)
Grid Material	Galvanized Steel
Polarization	Vertical
Operating Temperature	-40° C to 85° C (-40° F to 185° F)
RoHS Compliant	Yes
Wind Survival	134 MPH

Shipping Specifications

Shipping Carton Size (L x W x H)	62" x 17" x 32" (1.6m x 0.43m x 0.81m)
Shipping Weight	50 lbs. (22.7 kg)

Wind Loading Data

Wind Speed (MPH)	Loading
100	61.8 lb.
125	97 lb.



RF Antenna Gain Patterns

