

2.4 GHz 24 dBi High Performance Reflector Grid Wireless LAN Antenna

Model: HG2424G

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
 - Cast aluminum construction
 - UV stable light gray powder coat finish
 - All weather operation
 - 8° beam-width
 - 12 inch coax lead
 - Easy to assemble



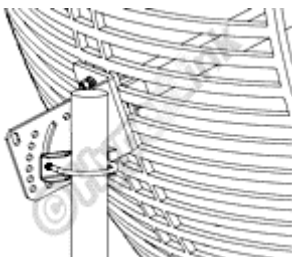
Description

Superior Performance

The HyperGain® HG2424G High-Performance Reflector Grid Wi-Fi Antenna provides 24 dBi gain with an 8 degree beam-width for long-range highly directional applications. 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. It can be installed for either vertical or horizontal polarization.



Rugged and Weatherproof



This antenna's construction features a rust-proof cast aluminum reflector grid for superior strength and light weight. This antenna's 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.

The HG2424G antenna is supplied with a 60 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	24 dBi
-3 dBi Beam Width	8 degrees
Cross Polarization Rejection	26 dBi
Front to Back Ratio	24 dB
Sidelobe	-20dB Max
Impedance	50 Ohm
Max. Input Power	50 Watts
VSWR	< 1.5:1 avg.

Mechanical Specifications

Weight	4.8 lbs. (2.18 kg)
Grid Dimensions	39.5 in (100 cm) x 23.5 in (60 cm)
Mounting	2 in. (50.8 mm) diameter mast max.
Elevation Angle	0 to +10 degrees
Operating Temperature	-40° C to to 85° C (-40° F to 185° F)

Wind Loading Data

Wind Speed (MPH)	Loading (2.1 sq. ft.)
40	16.4 lb.
60	36.3 lb.
80	63.8 lb.
100	97.0 lb.
120	147.0 lb.
140	199.5 lb.

RF Antenna Gain Patterns

