



## 2.4 GHz 24 dBi High Performance Die Cast Reflector Grid Wireless LAN Antenna - Model: HG2424G

### Applications and Features

- Applications:**
- 2.4 GHz ISM Band
  - IEEE 802.11b, 802.11g Wireless LAN
  - IEEE 802.11n (Pre-N, Draft-N, MIMO) Applications
  - WiFi Systems
  - Long-range Directional Applications
  - Point to Point Systems
  - Point to Multi-point Systems
  - Wireless Bridges
  - Backhaul Applications
  - Wireless Video Systems

- Features:**
- Superior performance
  - Die Cast aluminum construction
  - UV stable light gray powder coat finish
  - All weather operation
  - 8° beam-width
  - 12 inch coax lead
  - Easy to assemble
  - RoHS Compliant



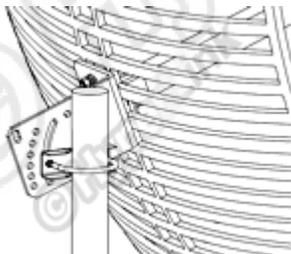
### Description

#### 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, 802.11g and 802.11n wireless LAN systems. It can be installed for either vertical or horizontal polarization.



#### Rugged and Weatherproof



This 24dB grid antenna's construction features a rust-proof die 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. It can be adjusted up or down from 0° to 60°.

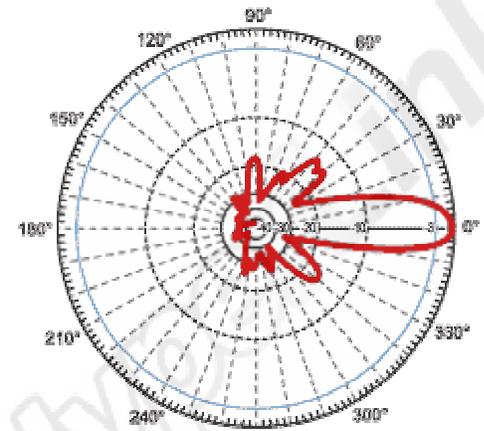


## Specifications

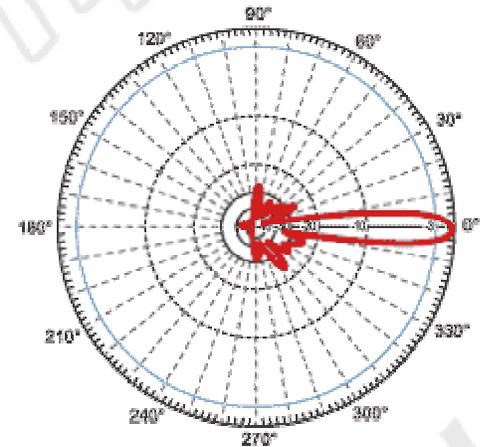
Frequency	2400-2500 MHz
Gain	24 dBi
-3 dBi Beam Width	8 degrees
Cross Polarization Rejection	26 dBi
Front to Back Ratio	24 dB
Sidelobe	-20dB Max
Impedance	50 Ohm
Max. Input Power	50 Watts
VSWR	< 1.5:1 avg.
Weight	8 lbs. (3.62 kg)
Grid Dimensions	39.5 in (100 cm) x 23.5 in (60 cm)
Mounting	1.25 - 2 in. (31.8 - 50.8 mm) dia. mast
Elevation Angle	0 to +10 degrees
RoHS Compliant	Yes
Operating Temperature	-40° C to to 85° C (-40° F to 185° F)
Lightning Protection	DC Short

### Wind Loading Data

Wind Speed (MPH)	Loading (2.1 sq. ft.)
100	80.5 lb.
140	125.5 lb.



**Vertical**



**Horizontal**

### Guaranteed Quality

This product is backed by Hyperlink's Limited Warranty