

HyperLink Wireless 2.4 GHz 24 dBi Die Cast Grid Antenna Model: HG2424EG

Applications

- 2.4 GHz ISM band
- IEEE 802.11b/g/n Wireless LAN, Wifi systems
- Long range direction, Point to Point and Point to Multi-point systems
- Wireless bridges and backhaul applications
- Wireless video systems

Features

- Die cast aluminum construction with UV stable finish
- All weather operation
- 8° beam-width
- 12 inch coax lead
- Two piece grid design, easy to assemble



Description

The HyperLink HG2424EG High-Performance Reflector Grid Wi-Fi Antenna provides 24 dBi gain with an 8 degree beam-width for long-range 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/g/n wireless LAN systems. It can be installed for either vertical or horizontal polarization.

This 24 dB grid antenna's construction features a die cast aluminum reflector grid for good 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 HG2424EG antenna is supplied with a 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

Electrical Specifications

| | |
|-----------------------------|---------------|
| Frequency | 2400-2500 MHz |
| Gain | 24 dBi |
| Horizontal Beamwidth | 9 degrees |
| Vertical Beamwidth | 11 degrees |
| Front to Back Ratio | >=30dB |
| Impedance | 50 Ohm |
| Max. Input Power | 100 Watts |
| VSWR | < 1.5:1 avg. |

Mechanical Specifications

| | |
|------------------------------|---|
| Weight | 4.5 lbs. (2.04 kg) |
| Grid Dimensions | 23.6 x 39.1 in. (600 x 992 mm) |
| Mounting | 1.25 - 2 in. (31.8 - 50.8 mm) dia. mast |
| RoHS Compliant | Yes |
| Operating Temperature | -40° C to 85° C (-40° F to 185° F) |
| Lightning Protection | DC Short |

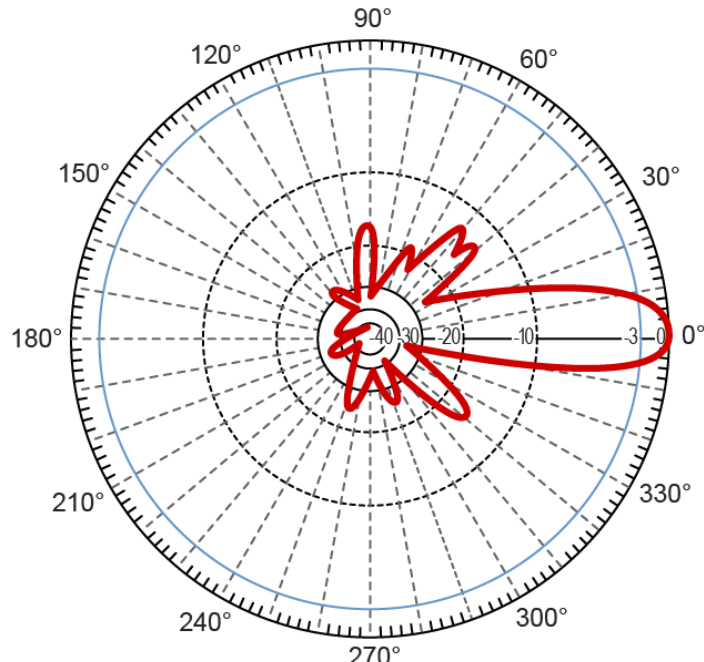
Wind Loading Data

| Wind Speed (MPH) | Loading |
|-------------------------|----------------|
| 100 | 80.5 lb. |
| 130 | 125.5 lb. |

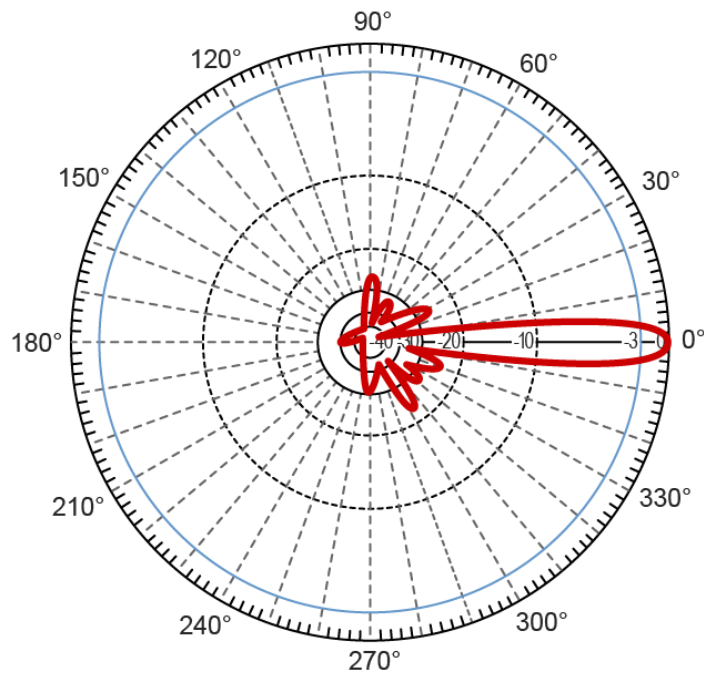
Connector and Package Options

| Connector | Packaging |
|------------------|--------------------|
| NF | Single and 5-packs |
| NM | Single and 5-Packs |
| Call for others | Single Antenna |

RF Antenna Gain Patterns



Vertical



Horizontal