

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	6 lbs. (2.7 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
RoHS Compliant	Yes
Operating Temperature	-40° C to 85° C (-40° F to 185° F)
Lightning Protection	DC Short

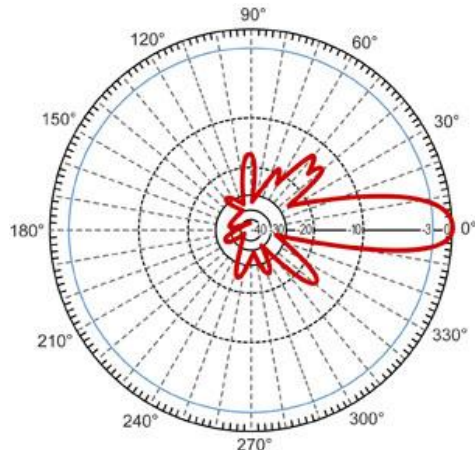
Wind Loading Data

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

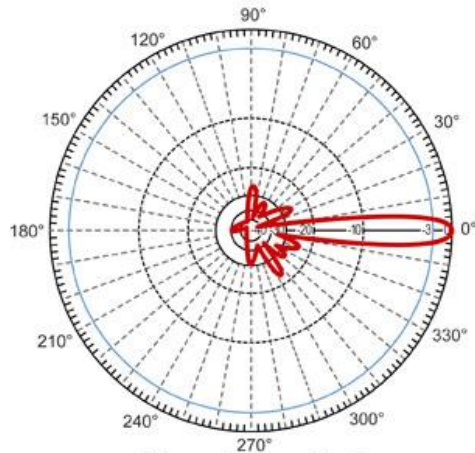
Connector and Package Options

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

RF Antenna Gain Patterns



Vertical



Horizontal