

HyperLink Wireless 2.4 GHz 20 dBi Die Cast Grid Antenna Model: HG2420EG

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
- 12° beam-width
- 12 inch coax lead
- Two piece grid design, easy to assemble



Description

The HyperLink Directional Reflector Grid WiFi Antenna provides 20 dBi gain with a 12° horizontal beam-width for 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. Its compact design makes it nearly invisible in most installations, and it can be installed for either vertical or horizontal polarization.

This antenna's construction features a 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 HG2420EG WiFi 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	20 dBi
Horizontal Beam Width	12°
Vertical Beam Width	17°
Polarization	Horizontal or Vertical
Front to Back Ratio	>25 dB
Impedance	50 Ohm
Max. Input Power	100 Watts
VSWR	< 1.5: 1 or less
Lightning Protection	DC Ground

Mechanical Specifications

Weight	3.3 lbs. (1.5 kg)
Dimensions	15.7" (400 mm) x 23.6" (600 mm)
Grid Material	Die Cast Aluminum
Operating Temperature	-40° C to to 85° C (-40° F to 185° F)
RoHS Compliant	Yes
Mounting	1.37 - 2 in. (35 - 50 mm) dia mast max.

Wind Loading Data

Wind Speed (MPH)	Loading
100	20.0 lb.
120	31 lb.

RF Antenna Gain Patterns

