

HyperLink Wireless 2.4 GHz 15 dBi Die Cast Grid Antenna Model: HG2415EG

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
- 16° beam-width
- 12 inch coax lead
- Easy to assemble



Description

The HyperLink Directional Mini-Reflector Grid WiFi Antenna provides 15 dBi gain with a 16° horizontal beam-width for directional applications. Its compact design makes it nearly invisible in most installations, and it can be installed for either vertical or horizontal polarization. It is ideally suited for 2.4GHz ISM band applications such as IEEE 802.11b/g/n wireless LAN systems.

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 HG2415EG 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°.



Vertical or Horizontal Polarization



Tilt & Swivel Mast Mount

Specifications

Electrical Specifications

Frequency	2400-2500 MHz
Gain	15 dBi
Horizontal Beam Width	16°
Vertical Beam Width	21°
Polarization	Horizontal or Vertical
Front to Back Ratio	20 dB
Impedance	50 Ohm
Max. Input Power	100 Watts
VSWR	< 1.5:1 avg.
Lightning Protection	DC Short

Mechanical Specifications

Weight	2.6 lbs. (1.2 kg)
Grid Dimensions	11.8" (300 mm) x 15.7" (400 mm)
Mounting	1.25 - 2 in. (31.8 - 50.8 mm) dia.mast max.
Operating Temperature	-40° C to 85° C (-40° F to 185° F)
RoHS Compliant	Yes

Wind Loading Data

Wind Speed (MPH)	Loading
100	10.0 lb.
130	15.6 lb.

RF Antenna Gain Patterns

