

## 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**

<b>Frequency</b>	2400-2500 MHz
<b>Gain</b>	20 dBi
<b>Horizontal Beam Width</b>	12°
<b>Vertical Beam Width</b>	17°
<b>Polarization</b>	Horizontal or Vertical
<b>Front to Back Ratio</b>	>25 dB
<b>Impedance</b>	50 Ohm
<b>Max. Input Power</b>	100 Watts
<b>VSWR</b>	< 1.5:1 or less
<b>Lightning Protection</b>	DC Ground

**Mechanical Specifications**

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

**Wind Loading Data**

<b>Wind Speed (MPH)</b>	<b>Loading</b>
100	20.0 lb.
120	31 lb.

**RF Antenna Gain Patterns**

