

HyperLink Wireless 2.4 GHz 27 dBi Die Cast Grid Antenna Model: HG2427G

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 white ivory finish
- All weather operation
- 6° beam-width
- 4 piece grid, easy to assemble
- Mounting bracket included



Description

The HyperLink HG2427G High-Performance Reflector Grid Wi-Fi Antenna provides 26.5 dBi gain for long-range highly 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 applications. It can be installed for vertical or horizontal polarization.

This antenna's construction features a die cast aluminum reflector grid for superior strength and light weight. The 4-piece reflector grid design 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 HG2427G antenna is supplied with a 60 degree tilt and swivel mast mount kit. This allows installation at various degrees of incline for easy alignment.



Specifications

Electrical Specifications

Frequency	2400-2500 MHz
Gain	26.5 dBi
Polarization	Vertical or Horizontal
Horizontal Beam Width	6.5°
Vertical Beam Width	8°
Front to Back Ratio	30 dB
Impedance	50
Max. Input Power	100 Watts
VSWR	< 1.4:1 avg.
RoHS Compliant	Yes
Lightning Protection	DC Ground

Mechanical Specifications

Weight with mounting bracket	15.8 lbs. (7.1 kg)
Grid Dimensions	47.2 x 35.43 in. (1200 x 900 mm)
Mechanical Tilt	H: 360° V: ±45°
Operating Temperature	-40° F to 140° F (-40° C to 60° C)
Connector	N-Female
Mounting Hardware Diameter	1.96 – 4.5 in. (50 – 115 mm)
Rated wind velocity (mile/h)	134

RF Antenna Gain Patterns

