

HyperLink Wireless 2.4 GHz 27 dBi High Performance Die Cast Reflector Grid Wireless LAN Antenna - Model: HG2427G

Applications and Features

- Applications:**
- 2.4 GHz ISM Band
 - IEEE 802.11b, 802.11g Wireless LAN
 - WiFi Systems
 - Long-range Directional Applications
 - Point to Point Systems
 - Point to Multi-point Systems
 - Wireless Bridges
 - Backhaul Applications
 - Wireless Video Systems

- Features:**
- Superior performance
 - Die Cast aluminum construction
 - UV stable white ivory coat finish
 - All weather operation
 - 6.5° beam-width
 - Horizontal or Vertical polarization
 - 4 piece construction / easy to assemble
 - Mounting Bracket included
 - RoHS Compliant



Description

Superior Performance

The HyperGain® 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, 802.11g. It can be installed for either vertical or horizontal polarization.



Rugged and Weatherproof

This 27dBi grid antenna's construction features a die cast aluminum reflector grid for superior strength and light weight. This antenna's 4-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 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 |
| Horizontal Beam Width | 6.5° |
| Vertical Beam Width | 8° |
| Front to Back Ratio | 30 dB |
| Electrical downtilt (°) | 0 |
| 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

