

## HyperLink Wireless 2.4 GHz 30 dBi High Performance Reflector Grid Wireless LAN Antenna

Model: HG2430G

### Applications and Features

#### Applications:

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

#### Features:

- Superior performance
- Welded galvanized steel construction
- UV stable light gray powder coat finish
- All weather operation
- 5.3° beam-width
- 18 inch coax lead
- Two piece reflector grid significantly reduces shipping costs
- Simple to assemble
- RoHS Compliant



### Description

#### Superior Performance

The HyperGain® High Performance Parabolic Grid WiFi Antenna provides 30 dBi gain with a 5.3° beam-width for highly directional long range applications. Additional 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 and 802.11g wireless LAN systems. External interference of this antenna is minimized due to the excellent front to back ratio. This antenna comes with a 18" coax lead terminated with an N-Female connector.

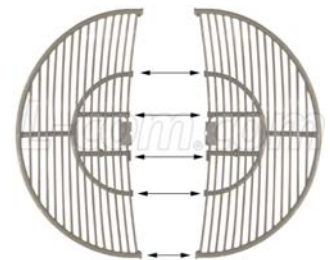
#### Rugged and Weatherproof

This antenna's construction features a welded steel reflector grid for superior strength. The grid surface is UV powder coated for durability and aesthetics, and the open-frame design minimizes wind loading.

#### Two Piece Design

An HyperLink exclusive, this antenna's 2-piece reflector grid is simple to assemble. The 2-piece design significantly reduces shipping costs compared to similar antennas with one piece reflector grids.

The HG2430G antenna is supplied with a heavy duty 30 degree tilt and swivel mast mount kit. This allows installation at various degrees of incline for easy alignment.



## Model: HG2430G Specifications

### Electrical Specifications

<b>Frequency</b>	2400-2500 MHz
<b>Gain</b>	30 dBi
<b>Horizontal Beam Width</b>	5.3°
<b>Vertical Beam Width</b>	5.3°
<b>Front to Back Ratio</b>	> 30 dB
<b>Impedance</b>	50 Ohm
<b>Max Power</b>	100 Watts
<b>VSWR</b>	< 1.5:1 avg.

### Mechanical Specifications

<b>Weight</b>	35 lbs. (16 kg)
<b>Dimensions</b>	59" Dia. (1.5 m)
<b>Grid Material</b>	Galvanized Steel
<b>Polarization</b>	Vertical
<b>Operating Temperature</b>	-40° C to to 85° C (-40° F to 185° F)
<b>RoHS Compliant</b>	Yes
<b>Wind Survival</b>	134 MPH

### Shipping Specifications

<b>Shipping Carton Size (L x W x H)</b>	62" x 17" x 32" (1.6m x 0.43m x 0.81m)
<b>Shipping Weight</b>	50 lbs. (22.7 kg)

### Wind Loading Data

<b>Wind Speed (MPH)</b>	<b>Loading</b>
100	61.8 lb.
125	97 lb.

RF Antenna Gain Patterns

