

## HyperLink Wireless 3.5 GHz 27 dBi Parabolic Grid Antenna Model: HG3527EG

### Features

- Superior Performance
- UV Stable Light Gray Powder Coat Finish
- All Weather Operation
- Light weight cast aluminum construction
- Two piece design

### Applications

- 3.5GHz Wireless access system
- 3.5GHz WiMax system
- Wireless Bridges
- Long-range Directional Applications
- Point to Point and Multipoint Systems



### Description

#### Superior Performance

The Hyperlink HG3527EG High-Performance Parabolic Reflector Grid Antenna is ideal for long-range highly directional 3.5 GHz applications. Typical applications include IEEE 802.16e, WiMAX and Mobile WiMAX applications. These antennas are ideal for point to point systems, point to multi-point and wireless bridges. Its compact design makes it nearly invisible in most installations, and it can be installed for either vertical or horizontal polarization.

#### Rugged and Weatherproof

The antennas' construction features a rustproof cast aluminum reflector grid for superior strength and lightweight. The 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.

This antenna is supplied with a 60-degree tilt and swivel mast mount kit. This allows installation at various degrees of incline for easy alignment. They can be adjusted up or down from 0° to 60°.



## Specifications

### Electrical Specifications

<b>Frequency</b>	3400-3600 MHz
<b>Gain</b>	27 dBi
<b>Horizontal Beam Width</b>	9.5°
<b>Vertical Beam Width</b>	6.5°
<b>Polarization</b>	Vertical or Horizontal
<b>Impedance</b>	50 Ohm
<b>F/B Ratio</b>	≥ 30 dB
<b>Max. Input Power</b>	50 Watts
<b>VSWR</b>	< 1.5:1 avg.
<b>Lightning Protection</b>	DC Short

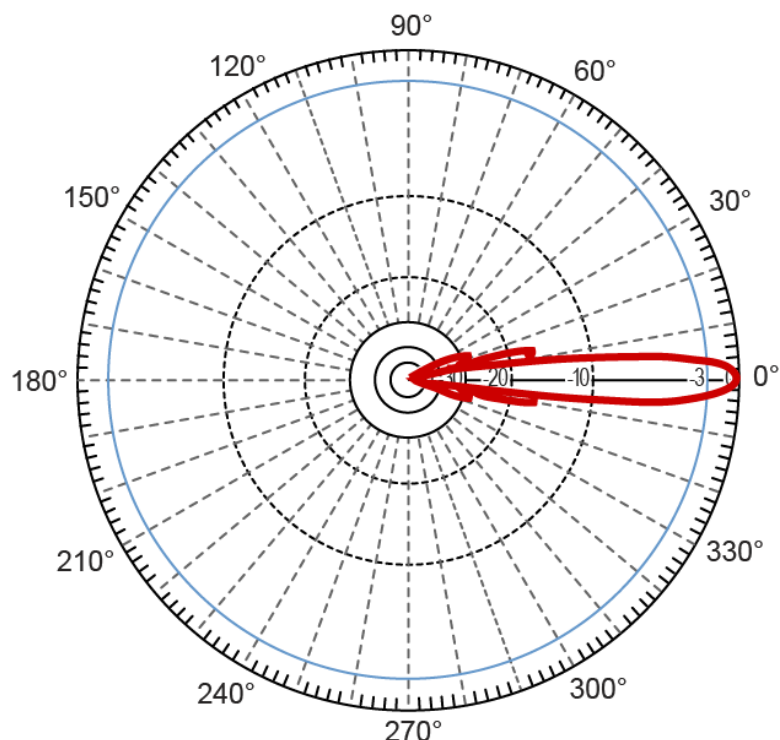
### Mechanical Specifications

<b>Connector</b>	N Female
<b>Weight</b>	4.5 lbs. (2.04 kg)
<b>Grid Dimensions</b>	23.6 x 39.1 in. (600 x 992 mm)
<b>Operating Temperature</b>	-40° C to 85° C (-40° F to 185° F)
<b>Mounting Mast Diameter</b>	1.25 - 2 in. (31.8 - 50.8 mm) dia. mast

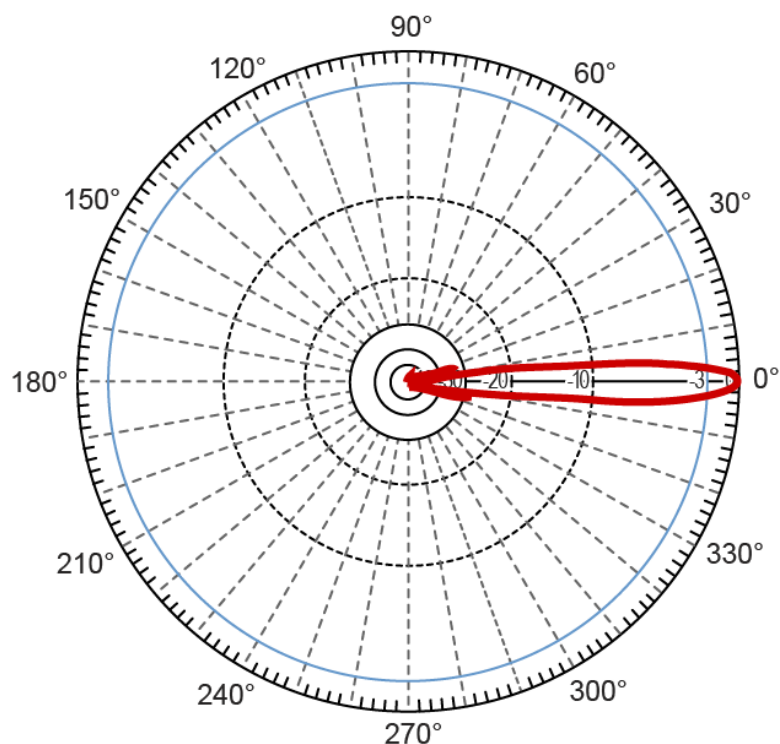
### Wind Loading Data

<b>Wind Speed (MPH)</b>	<b>Loading</b>
100	20.0 lb.
120	31.0 lb.

## RF Antenna Patterns



**Vertical**



**Horizontal**