HyperLink Wireless 4.9 GHz 29 dBi Parabolic Grid Antenna
Model: HG4929G

Features

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

Applications

- Homeland Security
- Public Safety Services: Fire, Police, Security
- Rapid Deployment Installations
- Large Scale WLL
- Back Haul and Point-to-Point Installations

RoHS Compliant

Description

Superior Performance

The Hyperlink HG4929G High-Performance Parabolic Reflector Grid Antenna is ideal for long-range highly directional 4.9 GHz 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

Frequency	4800-5100 MHz
Gain	29 dBi
-3 dBi Beam Width	7°
Side Lobe	-20 dB max.
Polarization	Vertical or Horizontal
Impedance	50 Ohm
F/B Ratio	25 dB
Max. Input Power	100 Watts
VSWR	< 1.5:1 avg.
Lightning Protection	DC Short

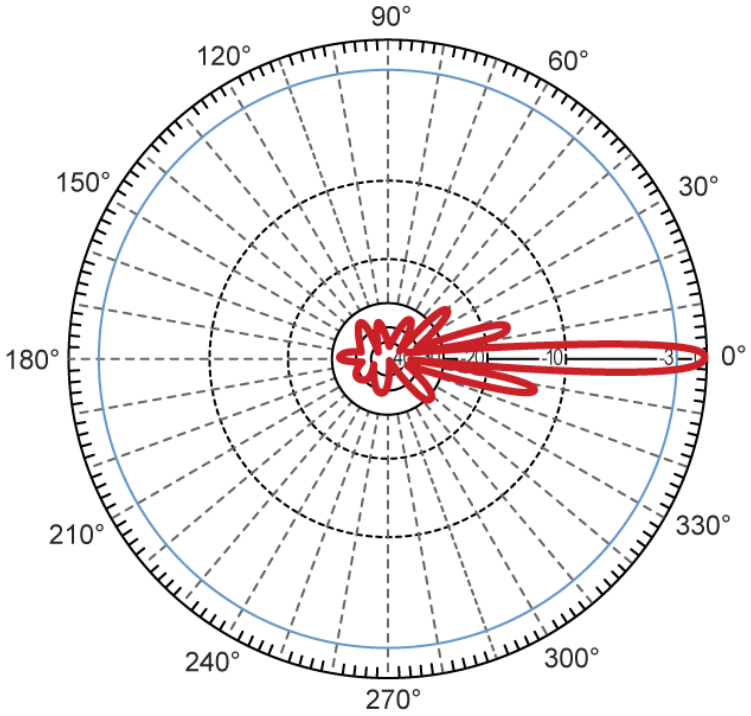
Mechanical Specifications

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

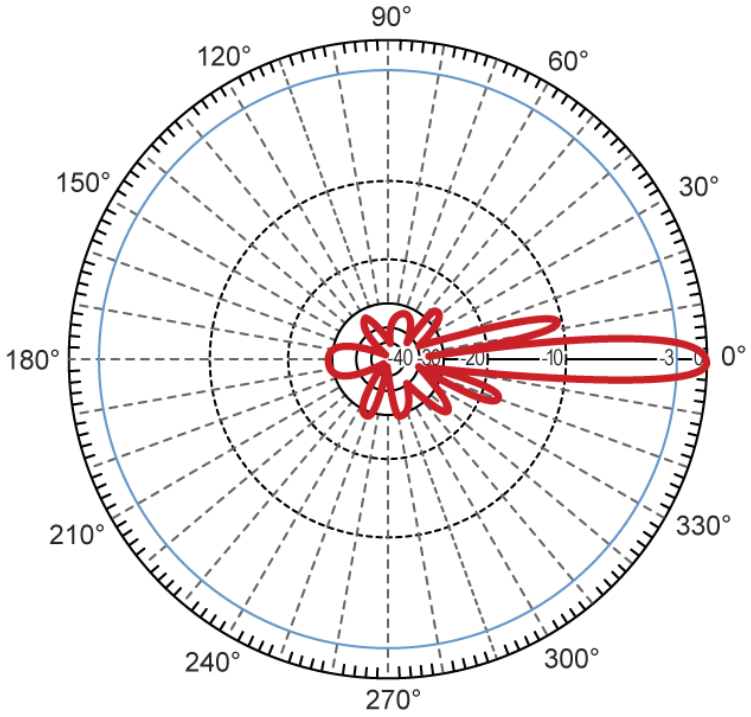
Wind Loading Data

Wind Speed (MPH)	Loading
100	20.0 lb.
120	31.0 lb.

RF Antenna Patterns



Vertical



Horizontal