2.4 GHz 19 dBi Directional Reflector Grid Wireless LAN Antenna

Model: HG2419G

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
- Cast aluminum construction
- UV stable light gray powder coat finish
- All weather operation
- 12° beam-width
- 12 inch coax lead
- Easy to assemble

Description

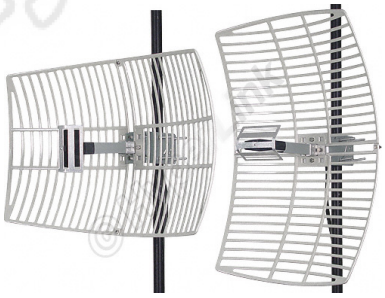
Superior Performance

The HyperGain® Directional Reflector Grid WiFi Antenna provides 19 dBi gain with a 12° horizontal beam-width for 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 and 802.11g wireless LAN systems. Its compact design makes it nearly invisible in most installations, and it can be installed for either vertical or horizontal polarization.

Rugged and Weatherproof

This antenna's construction features a rust-proof cast aluminum reflector grid for superior strength and light weight. This antenna's 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.

The HG2419G WiFi antenna is supplied with a 60 degree tilt and swivel mast mount kit. This allows installation at various degrees of incline for easy alignment.



Vertical or Horizontal Polarization

Tilt & Swivel Mast Mount

HyperLink Technologies, INC.
e-mail: sales@hyperlinktech.com • tel: 561-995-2256 • fax: 561-995-2432
web: www.hyperlinktech.com • 1201 Clint Moore Road • Boca Raton FL 33487

Model: HG2419G

Specifications

Electrical Specifications

Frequency	2400-2500 MHz
Gain	19 dBi
Horizontal Beam Width	12°
Vertical Beam Width	16°
Polarization	Horizontal or Vertical
Front to Back Ratio	25 dB
Impedance	50 Ohm
Max. Input Power	100 Watts
VSWR	< 1.5:1 avg.

Mechanical Specifications

Weight	5.3 lbs. (2.4 kg)
Grid Dimensions	15.7" (400 mm) x 23.6" (600 mm)
Mounting	2 in. (50.8 mm) diameter mast max.
Elevation Angle	0 to +15°
Operating Temperature	-40° C to to 85° C (-40° F to 185° F)

Wind Loading Data

Wind Speed (MPH)	Loading
100	20.0 lb.
120	31 lb.

RF Antenna Patterns