

HyperLink Wireless 5.4 GHz 21 dBi 802.11a Reflector Grid Wireless LAN Antenna

Model: HG5421G

Applications and Features

- Applications:**
- 5.4 GHz Band Applications
 - Unlicensed European 5.4 GHz Band Applications
 - IEEE 802.11a Wireless LAN
 - WiFi Systems
 - Radio Local Area Networks (RLAN)
 - Fixed Wireless Access Systems (FWA)
 - WiMAX Technology
 - Long-range Directional Applications
 - Point to Point, Point to Multi-point Systems
 - Wireless Bridges
 - Backhaul Applications

- Features:**
- 21 dBi gain
 - Superior performance
 - Cast aluminum construction
 - UV stable light gray powder coat finish
 - All weather operation
 - Easy to assemble
 - RoHS Compliant



Description

The HyperGain® HG5421G High-Performance Reflector Grid Wi-Fi Antenna is ideal for long-range highly directional 5.4GHz 802.11a band applications as well as applications in the European unlicensed 5.4 GHz band. These antennas are ideal for point to point systems, point to multi-point and wireless bridges. They can be installed for either vertical or horizontal polarization.

Rugged and Weatherproof

The antennas' construction features a rust-proof cast aluminum reflector grid for superior strength and light weight. 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°.



Vertical or Horizontal Polarization



Tilt & Swivel Mast Mount

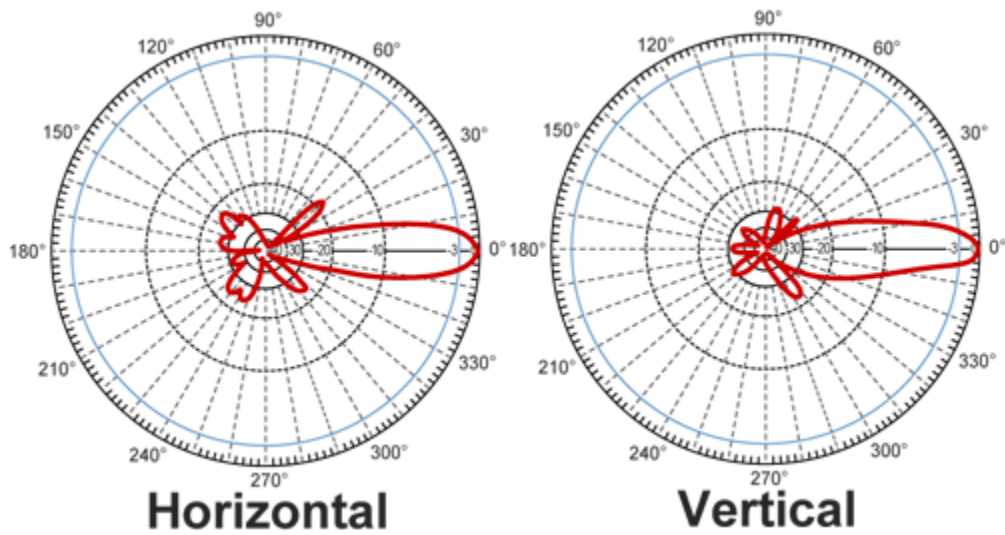
Specifications

Frequency	5470-5725 MHz
Gain	21 dBi
Polarization	Horizontal or Vertical
Horizontal Beam Width	10°
Vertical Beam Width	13°
Front to Back Ratio	25 dB
Impedance	50 Ohm
Max. Input Power	100 Watts
VSWR	< 1.5:1 avg.
Weight	3.0 lbs. (1.4 kg)
Grid Dimensions	11.8 x 15.7 inches (300 x 400 mm)
Mounting	2 in. (50.8 mm) diameter mast max.
Operating Temperature	-40° C to 85° C (-40° F to 185° F)
Lighting Protection	DC Short
Connector	N-Female
RoHS Compliant	Yes

Wind Loading Data

Wind Speed (MPH)	Loading
100	10.0 lb.
120	15.6 lb.

RF Antenna Patterns



Guaranteed Quality

This product is backed by L-Com's Limited Warranty