

HyperLink Wireless 2.4 GHz 11 dBi Mini Panel Antenna Model: HG2412P

Applications

- 2.4 GHz Indoor/Outdoor Wireless LAN systems
- Supports IEEE 802.11b/g/n applications
- WiFi and 2.4 GHz wireless video systems
- Public wireless hotspots
- Subscriber sites and CPE applications

Features

- All weather operation, Compact size, 4" x 4" x 4"
- Durable UV-stable white ABS radome
- DC Ground lightning protecting
- Can be installed for either vertical or horizontal polarization
- Integral N-Female connector



Description

This very compact panel WiFi antenna provides 11 dBi gain with very broad coverage. It is suitable for both indoor and outdoor applications in the 2.4GHz ISM band, including IEEE 802.11b and 802.11g, Bluetooth® and for public wireless hotspot applications. This WiFi antenna is lightweight and features an aesthetic UV-stable, white ABS radome which can also be painted to match the room or building structure. The HG2412P can be installed for horizontal or vertical polarization.

Designed for all weather operation, the HG2412P features drain holes in the radome help prevent moisture build-up inside the antenna. The HG2412P antenna is supplied with a 30 degree tilt and swivel mast mount kit. This allows the antenna to be positioned for optimal performance. It can be adjusted up or down from 0° to 30°. The HG2412P can be mounted to a 1" (25.4 mm) to 1.7" (43.2 mm) dia. masts.



Specifications

Electrical Specifications

Frequency	2400-2500 MHz
Gain	11.14 dBi
Polarization	Vertical or Horizontal
Vertical Beam Width	53°
Horizontal Beam Width	54°
Max. Input Power	200W
Impedance	50 Ohms
VSWR	1.5:1
Lightning Protection	DC Ground

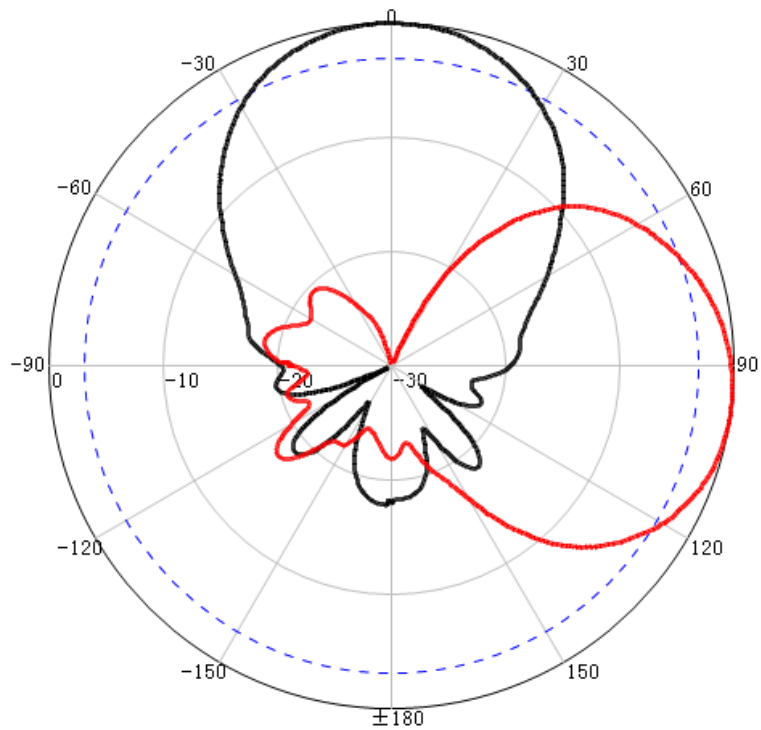
Mechanical Specifications

Connector	N-Female
Mounting Mast Size (Dia.)	1.0 to 1.7 in. (25.4 to 43.2 mm)
Vertical Tilt	0-30°
Radome Material	UV-Inhibited ABS
Operating Temperature	-40° C to 55° C (-40° F to 131° F)
Dimensions	4.0 x 4.0 x 4.0 in. (102 x 102 x 102 mm)
Weight – Antenna	0.6 lbs. (0.27 kg)
Weight – Mount	0.4 lbs. (0.18 kg)
Rated Wind Velocity	150 MPH (241 Km/h)
RoHS Compliant	Yes

Wind Loading Data

Wind Speed (MPH)	Loading (lbs.)
100	5.6
125	8.8

RF Antenna Patterns



Freq:2450MHz
Date:2013-03-11
Elevation:H-plane
Polar-Across:Main
Polarization:Vertical
Max:-12.07dB
HPBW(3dB):54.02°
FBR:17.72dB

Freq:2450MHz
Date:2013-03-11
Elevation:V-plane
Polar-Across:Main
Polarization:Vertical
Max:-10.24dB
HPBW(3dB):52.44°
FBR:18.66dB

Gain:11.14dBi