



## 2.4 GHz 12 dBi Wireless LAN Mini Panel Antenna

Model: HG2412P

### Applications and Features

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**Applications:**

- 2.4 GHz ISM Band
- IEEE 802.11b and 802.11g Wireless LAN
- Bluetooth®
- Public Wireless Hotspot
- WiFi

**Features:**

- Superior performance
- Compact size, 4" x 4" x 4"
- Durable UV-stable white ABS radome
- All weather operation
- DC Ground lightning protecting
- Integral N-Female connector
- Can be installed for either vertical or horizontal polarization
- Includes 30° Tilt & Swivel mast mounting kit
- RoHS Compliant



### Description

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This very compact panel WiFi antenna provides 12 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 ( dBi )	12 dBi
Polarization	Vertical or Horizontal
Vertical Beamwidth	34°
Horizontal Beamwidth	65°
Max. Input Power	200W
Impedance	50 Ohms
VSWR	1.5:1
Lightning Protection	DC Ground

### Mechanical Specifications

Output Connector	Integral N-Female
Mounting	1" (25.4 mm) to 1.7" (43.2 mm) dia. masts
Vertical Tilt	0-30°
Radome	UV-Inhibited ABS
Operating Temperature	-40° C to to 55° C (-40° F to 131° F)
Dimensions	4" x 4 " x 4 " (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	150MPH/h (241Km/h)
RoHS Compliant	Yes

### Antenna Gain Patterns

