

## 2.4 GHz 18 dBi Wireless LAN Heavy Duty Panel Antenna

Model: HG2418P

### 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
  - Heavy-duty radome
  - All-weather operation
  - DC Ground lightning protection
  - Can be mounted for horizontal or vertical polarization
  - Includes tilt and swivel mast mount
  - RoHS Compliant



### Description

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#### Superior Performance

The HG2418P is a heavy duty high performance directional flat panel WiFi antenna suitable for indoor and outdoor applications in the 2.4GHz ISM band, including IEEE 802.11b and 802.11g, Bluetooth®, and public wireless hotspots.

#### Rugged and Weatherproof

This WiFi antenna features a heavy-duty UV-stable white fiberglass radome for all-weather operation. The HG2418P antenna is supplied with a tilt and swivel mast mount kit. This allows installation at various degrees of incline for easy alignment. It can be installed for vertical or horizontal polarization.





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**Specifications**
**Electrical Specifications**

<b>Frequency</b>	2400-2500 MHz
<b>Gain</b>	18 dBi
<b>Horizontal Beam Width</b>	22°
<b>Vertical Beam Width</b>	17°
<b>Polarization</b>	Vertical or Horizontal
<b>Front to Back Ratio</b>	>25 dB
<b>Cross Polarization Rejection</b>	>25 dB
<b>Impedance</b>	50 Ohm
<b>Max. Input Power</b>	50 Watts
<b>VSWR</b>	< 1.5:1 avg.
<b>Lightning Protection</b>	DC Ground
<b>Connector</b>	Integral N-Female

**Mechanical Specifications**

<b>Weight</b>	3.2 lbs. (1.4 Kg)
<b>Dimensions</b>	14.4 x 9.6 x 1.7 inches (366 x 244 x 43 mm)
<b>Radome Material</b>	UV-Inhibited Composite
<b>Operating Temperature</b>	-40° C to to 85° C (-40° F to 185° F)
<b>Mounting</b>	2 inch (50.8 mm) O.D. pipe max.
<b>RoHS Compliant</b>	Yes
<b>Polarization</b>	Vertical or Horizontal

**RF Antenna Patterns**
