

2.4 GHz 18 dBi Wireless LAN Heavy Duty Panel Antenna

Model: HG2418P

Applications and Features

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

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

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

Mechanical Specifications

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

RF Antenna Patterns

