



## 5.8 GHz 19 dBi ISM/UNII Band Wireless LAN Flat Patch Antenna Model: HG5819P

### Applications and Features

**Applications:**

- 5.8GHz UNII applications
- 5.8GHz ISM applications
- 5.8GHz Wireless LAN systems
- WiFi

**Features:**

- 19 dBi
- Light weight, compact size
- All weather operation
- Heavy-duty radome
- DC Short lightning protection
- Integral N-Female Connector
- Can be installed for either vertical or horizontal polarization
- Includes tilt and swivel mast mount
- RoHS Compliant



### Description

This heavy duty compact flat panel WiFi antenna is ideal for 5.8GHz UNII & ISM Band applications. The antenna measures 7.45" (189mm) square and combines 19 dBi gain with broad coverage. It is suitable for both indoor and outdoor applications. This antenna can be oriented for either vertical or horizontal polarization.



This WiFi antenna features a heavy-duty UV-stable white fiberglass radome for all-weather operation. The HG5819P 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.

### Specifications

**Electrical Specifications**

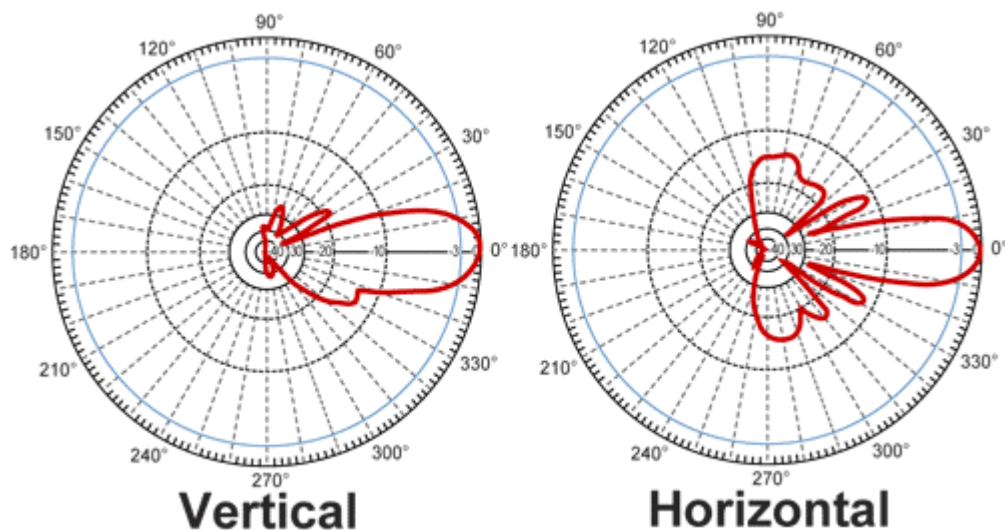
<b>Frequency</b>	5725-5850 MHz
<b>Gain</b>	19 dBi
<b>Horizontal Beam Width</b>	16°
<b>Vertical Beam Width</b>	16°
<b>Polarization</b>	Vertical or Horizontal
<b>Front to Back Ratio</b>	>25 dB
<b>Impedance</b>	50 Ohm
<b>Max. Input Power</b>	200 Watts
<b>VSWR</b>	< 1.5:1 avg.
<b>Lightning Protection</b>	DC Short
<b>Connector</b>	Integral N-Female



## Mechanical Specifications

<b>Weight</b>	1.6 lbs. (0.72 Kg)
<b>Dimensions</b>	7.45 x 7.45 x 1.37 inches (189 x 189 x 35 mm)
<b>Radome Material</b>	UV-Stable Fiberglass
<b>Operating Temperature</b>	-40° C to to 85° C (-40° F to 185° F)
<b>RoHS Compliant</b>	Yes
<b>Mounting</b>	1.25 inch (32 mm) to 3 inch (75 mm) O.D. pipe max.
<b>Rated Wind Velocity</b>	130mph (210km/h)

## RF Antenna Patterns



## Guaranteed Quality

This product is backed by Hyperlink's Limited Warranty