

5.4 GHz to 5.8 GHz 19 dBi Wireless LAN Flat Patch Antenna

Model: HG5419P

Applications and Features

Applications:

- **5.4 GHz Frequency Range:**
 - ◇ 5.4 GHz Band Applications
 - ◇ Unlicensed European 5.4 GHz Band Applications
 - ◇ IEEE 802.11a Wireless LAN
 - ◇ WiFi Systems
 - ◇ Radio Local Area Networks (RLAN)
 - ◇ Fixed Wireless Access Systems (FWA)
 - ◇ WiMAX Technology
- **5.8 GHz Frequency Range:**
 - ◇ 5.8GHz UNII applications
 - ◇ 5.8GHz ISM applications
 - ◇ 5.8GHz Wireless LAN systems
 - ◇ WiFi Systems
 - ◇ 5.8 GHz Wireless Video Systems

Features:

- 19 dBi
- Light weight
- All weather operation
- Compact Size
- 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

Superior Performance

This heavy duty compact flat panel WiFi antenna is ideal for 5.4GHz 802.11a band applications as well as 5.8GHz applications in the European unlicensed 5.4 GHz band. 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.

Rugged and Weatherproof

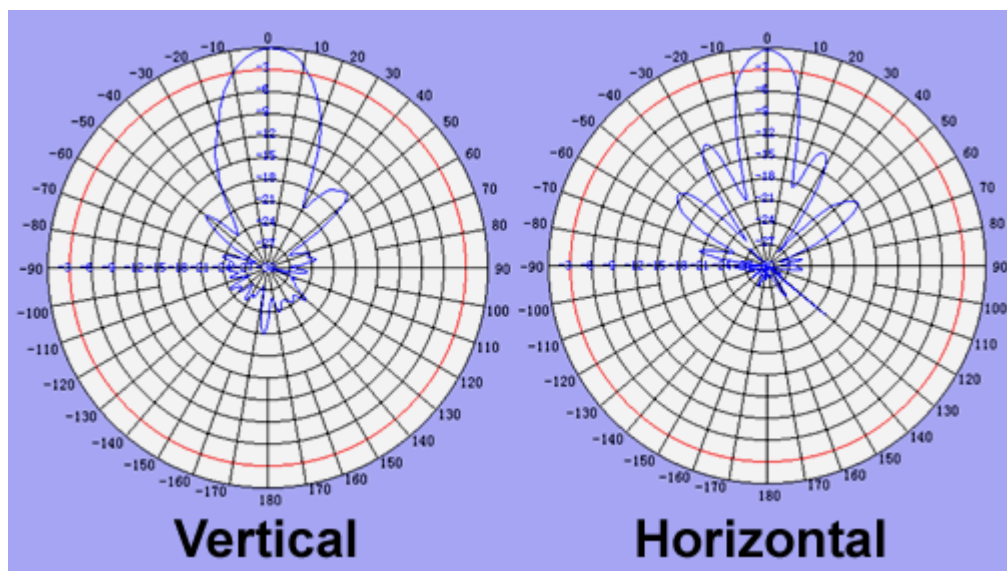
This WiFi antenna features a heavy-duty UV-stable white fiberglass radome for all-weather operation. The HG5419P antenna is supplied with a tilt and swivel mast mount kit. This allows installation at various degrees of incline for easy alignment. It can be installed for vertical or horizontal polarization.



Specifications

| | |
|------------------------------|---|
| Frequency | 5470-5850 MHz |
| Gain | 19 dBi |
| Horizontal Beam Width | 16° |
| Vertical Beam Width | 16° |
| Polarization | Vertical or Horizontal |
| Front to Back Ratio | >25 dB |
| Impedance | 50 Ohm |
| Max. Input Power | 50 Watts |
| VSWR | < 1.5:1 avg. |
| Lightning Protection | DC Short |
| Connector | Integral N-Female |
| Weight | 1.6 lbs. (0.72 Kg) |
| Dimensions | 7.45 x 7.45 x 1.37 inches (189 x 189 x 35 mm) |
| Radome Material | UV-Stable Fiberglass |
| Operating Temperature | -40° C to 85° C (-40° F to 185° F) |
| Mounting | 1.25 inch (32 mm) to 3 inch (75 mm) O.D. pipe max. |
| Rated Wind Velocity | 130mph (210km/h) |
| RoHS Compliant | Yes |

RF Antenna Patterns



Guaranteed Quality

This product is backed by L-Com's Limited Warranty