

## 4.9-5.8GHz Dual Polarized Panel Antenna Model: HG4958-19DP

### Features

---

- MIMO – Multiple-Input and Multiple-Output
- Dual Polarity feed system in single enclosure
- Dual band, high gain operation
- Two (2) integrated diversity antennas, single package
- UV-resistant radome for all-weather operation

### Applications

---

- 4.9-5.8 GHz Indoor/Outdoor Wireless LAN systems
- Supports 1x2, 2x2, 2x3, 3x3 MIMO AP/Router
- Supports IEEE 802.11 a/n applications
- WiMAX, WISP, WiFi, Mobile Communication
- Homeland Security and Public Safety band
- Hospitality, Industrial, Municipality, MTU/MDU



### Description

---

#### Superior Performance

The HyperLink HG4958DP-19P Flat Panel Antenna combines vertical and horizontal polarization with high gain over broadband frequency in a single enclosure. It is a professional quality antenna designed primarily for MIMO point-to-multipoint and point-to-point applications in the 4.9 GHz to 5.8 GHz frequency bands.

This antenna incorporates advanced dual polarization technology that allows for the interoperability of two radio transmit and receive paths. This technology allows for the attenuation of unwanted signals from adjacent channels and/or co-located equipment.

#### Rugged and Weatherproof

This aesthetically pleasing antenna features a heavy-duty UV-resistant plastic radome ideal for all-weather indoor and outdoor operation. The HG4958-19DP antenna is supplied with a tilt and swivel mast mount kit. This allows quick installation at various degrees of up/down tilt for easy alignment.

**Specifications**

**Mechanical Specifications**

<b>Connector Interface</b>	N-Female (2x)
<b>Rated Wind Velocity</b>	130mph (210km/h)
<b>Wind Load</b>	33/51/73 lbs. at 100/125/150 mph
<b>Dimensions</b>	12.40" x12.40"x0.98" (315x315x25mm)
<b>Weight</b>	3.5 lbs (1.6kg including the bracket)
<b>Mounting Mast Size</b>	1.5–2.0in (40-50mm)

**Electrical Specifications**

<b>Frequency Range</b>	4900-5850 MHz
<b>Gain</b>	19dBi
<b>Polarization</b>	Vertical and Horizontal
<b>Max VSWR</b>	<1.8
<b>Vertical Beamwidth</b>	20°
<b>Horizontal Beamwidth</b>	19°
<b>F/B Ratio</b>	>25dB
<b>Cross-pol Isolation</b>	>28dB
<b>Max. Input Power</b>	10 watts
<b>Lightning Protection</b>	DC Ground
<b>Input Impedance</b>	50 Ohm

**RF Antenna Patterns**

