

## HyperLink Wireless Brand 4.9-5.8 GHz Dual Polarized Sector Antenna

Model: HG4958-17DP-090

### Features

- MIMO – Multiple-Input and Multiple-Output
- Dual Polarity feed system in single enclosure
- Two integral N-Female connectors
- Includes stainless steel mounting hardware
- UV-resistant radome for all-weather operation

### Applications

- 4.9/5.1/5.3/5.4/5.8 GHz Wireless LAN systems
- MIMO PtMP 1x2, 2x2 base station
- Supports IEEE 802.11 a/n applications
- Homeland Security and Public Safety band
- WiMAX, WISP, WiFi, Mobile Communication, Cell-site



### Description

The HyperLink HG4958-17DP-090 Sectorial Panel Antenna combines vertical and horizontal polarization with high gain over a broadband frequency in a single enclosure. It is a professional quality cell-site antenna designed primarily for MIMO point-to-multipoint base station 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 antenna features a heavy-duty UV-resistant plastic radome for all-weather operation. The HG4958-17DP-090 antenna is supplied with a stainless steel tilt and swivel mast mount kit. This allows installation at various degrees of up/down tilt for easy alignment.

The HG4958-17DP-090 makes an ideal alternative to the Ubiquiti AirMax Sector 5G-17-90 antenna.

## Specifications

### Electrical Specifications

<b>Frequency Range</b>	4900-5850 MHz
<b>Gain</b>	16 $\pm$ 1 dBi
<b>Polarization</b>	Vertical and Horizontal (Dual)
<b>Max VSWR</b>	< 1.7
<b>V pol Beamwidth</b>	86° (6 dBi)
<b>H pol Beamwidth</b>	75° (6 dBi)
<b>Elevation Beamwidth</b>	10°
<b>F/B Ratio</b>	> 25 dB
<b>Port to Port Isolation</b>	> 25 dB
<b>Max. Input Power</b>	50 watts
<b>Input Impedance</b>	50 Ohm

### Mechanical Specifications

<b>Connector Interface</b>	N-Female (2x)
<b>Rated Wind Velocity</b>	130mph (210km/h)
<b>Dimensions</b>	16.7 x 4.5 x 2.5 in (425 x 115 x 65mm)
<b>Weight</b>	4.74 lbs (2.15kg)
<b>Mounting Mast Size (Dia.)</b>	1.2-2.0 in. (30-50mm)
<b>RoHS Compliant</b>	Yes

### RF Antenna Patterns

