

HyperLink Wireless Brand 5.1-5.8 GHz Dual Polarized Sector Antenna Model: HG5158-19DP-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

- 5.1/5.3/5.4/5.8 GHz Wireless LAN systems
- 5.8 GHz UNII and ISM applications
- MIMO PtMP 1x2, 2x2 base station
- Supports IEEE 802.11a/n applications
- WiMAX, WISP, WiFi, Mobile Communication, Cell-sites



Description

The HyperLink HG5158-19DP-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 5.1 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 HG5158-19DP-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 HG5158-19DP-090 makes an ideal alternative to the Ubiquiti AirMax Sector 5G-17-90 antenna.



Specifications

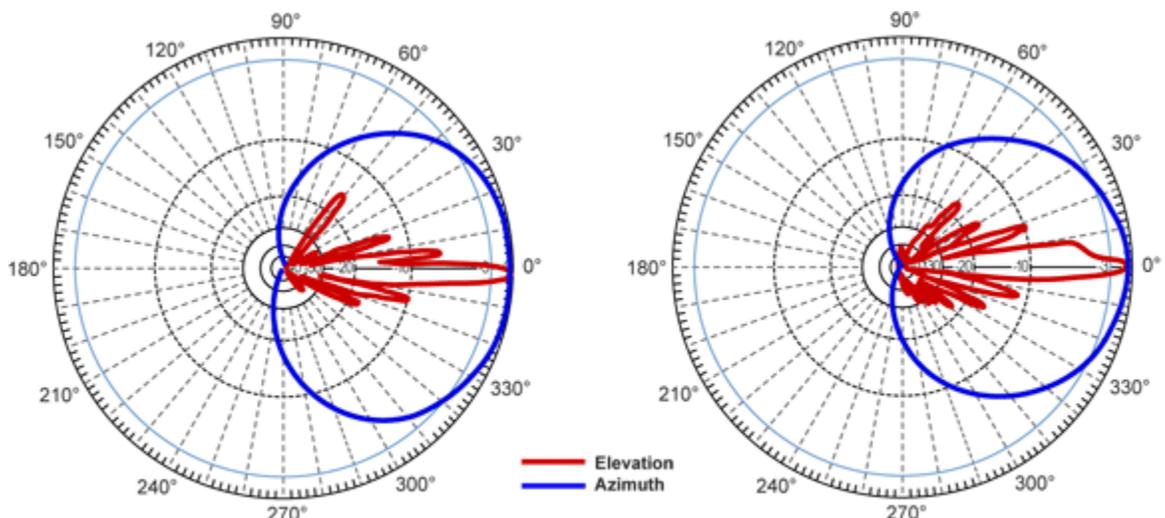
Electrical Specifications

Frequency Range	5150-5850 MHz
Gain (V pol)	19 dBi
Gain (H pol)	18 dBi
Polarization	Vertical and Horizontal (Dual)
Max VSWR	V pol < 1.5 and H pol < 1.7
V pol Beamwidth	60°
H pol Beamwidth	80°
Elevation Beamwidth	5°
F/B Ratio	> 30 dB
Port to Port Isolation	> 28 dB
Max. Input Power	50 watts
Input Impedance	50 Ohm

Mechanical Specifications

Connector Interface	N-Female (2x)
Rated Wind Velocity	130mph (210km/h)
Dimensions	30.4 x 4.5 x 2.5 in (772 x 115 x 65mm)
Weight	6.83 lbs (3.1kg)
Mounting Mast Size (Dia.)	1.2–2.0 in. (30-50mm)
RoHS Compliant	Yes

RF Antenna Patterns



Horizontal Polarization

Vertical Polarization