4.9-5.8GHz 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

RoHS Compliant

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 5.8GHz 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.

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Specifications

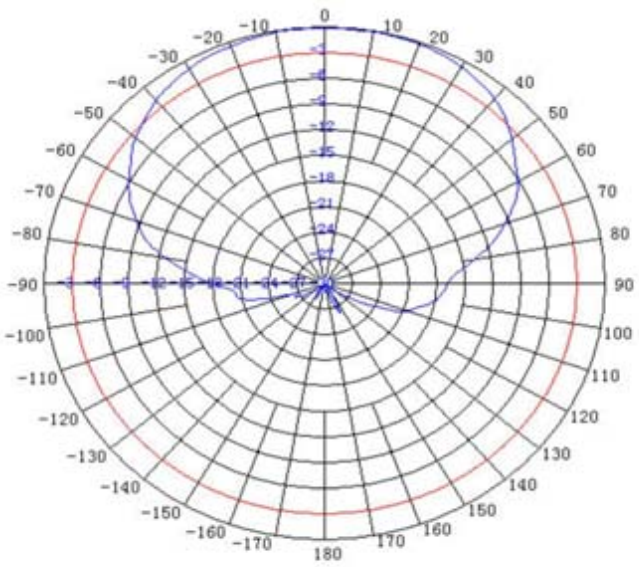
Mechanical Specifications

Connector Interface	N-Female (2x)
Rated Wind Velocity	130mph (210km/h)
Dimensions	16.7x4.5x2.5in (425x115x65mm)
Weight	4.74lbs (2.15kg)
Mounting Mast Size	1.5–2.0in (40-50mm)

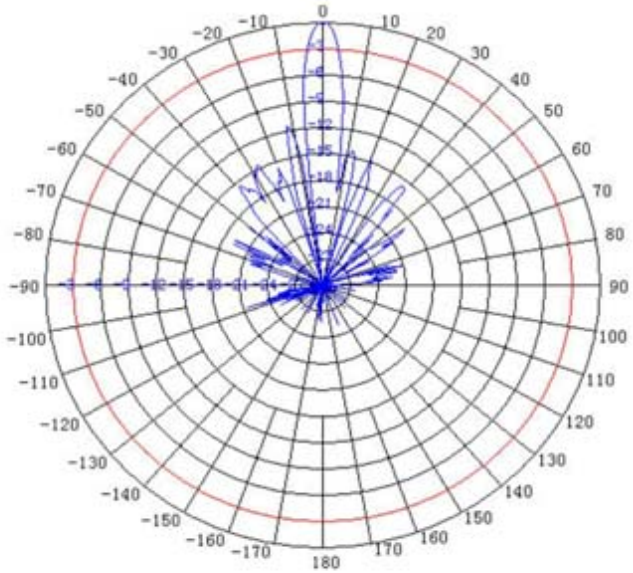
Electrical Specifications

Frequency Range	4900-5850MHz
Gain	15.8-17.3dBi
Polarization	Vertical and Horizontal (Dual)
Max VSWR	<1.8
V pol Horizontal Beamwidth	86°
H pol Horizontal Beamwidth	75°
Vertical Beamwidth	10°
F/B Ratio	>25dB
Cross-pol Isolation	>28dB
Max. Input Power	100 watts
Input Impedance	50 Ohm

Antenna Patterns



Horizontal Plane



Vertical Plane