

HyperLink Wireless 4.9/5.8 GHz Dual Polarized 17 dBi Flat Panel Antenna Model: HG4958-17DP-3NF

Features

- MIMO – Multiple-Input and Multiple-Output
- Dual Polarity feed system in single enclosure
- Dual band, high gain operation
- Three (3) 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, Communication
- Homeland Security and Public Safety Band



Description

Superior Performance

The Hyperlink HG4958-17DP-3NF Flat Panel Antenna combines vertical and horizontal polarization with high gain over multiple frequencies 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 and 5.8 GHz frequency bands.

This antenna incorporates advanced dual polarization technology that allows for the interoperability of two radios to 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 HG4958-17DP-3NF 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

Electrical Specifications

| | |
|-----------------------------------|-----------------------------------|
| Frequency Range | 4900-5850 MHz |
| Gain | 17 dBi |
| Polarization | Vertical (2x) and Horizontal (1x) |
| Max VSWR | <2.0 |
| Horizontal / Vertical Beam Widths | 19° / 19° |
| F/B Ratio | >30 dB |
| Cross-pol Isolation | >28 dB |
| Max. Input Power | 10 Watts |
| Lightning Protection | DC Ground |
| Input Impedance | 50 Ohm |

Mechanical Specifications

| | |
|---------------------------|---|
| Connector Interface | N-Female (3x) |
| Radome Material | Gray ASA |
| Dimensions | 12.40 x 12.40 x 0.98 in. (315 x 315 x 25mm) |
| Weight | 3.5 lbs (1.6 kg including the bracket) |
| Mounting Mast Size (Dia.) | 0.75–2.00 in. (19-50 mm) |
| Rated Wind Velocity | 130mph (210km/h) |
| RoHS Compliant | Yes |

Wind Loading Data

| Wind Speed (MPH) | Loading |
|------------------|---------|
| 100 | 54 lbs. |
| 125 | 85 lbs. |

RF Antenna Patterns

