

## Hyperlink Brand 4.9/5.8 GHz 17dBi Dual Band Yagi Antenna Model: HG4958DP-17Y

### Features

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

### Applications

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- 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



### Description

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#### Superior Performance

The HyperGain HG4958DP-17Y Yagi Antenna combines vertical and horizontal polarization with high gain over a broadband frequency in a single enclosure. It is a professional quality antenna designed primarily for MIMO point-to-multipoint 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 HG4958DP-17Y 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.

**Specifications**

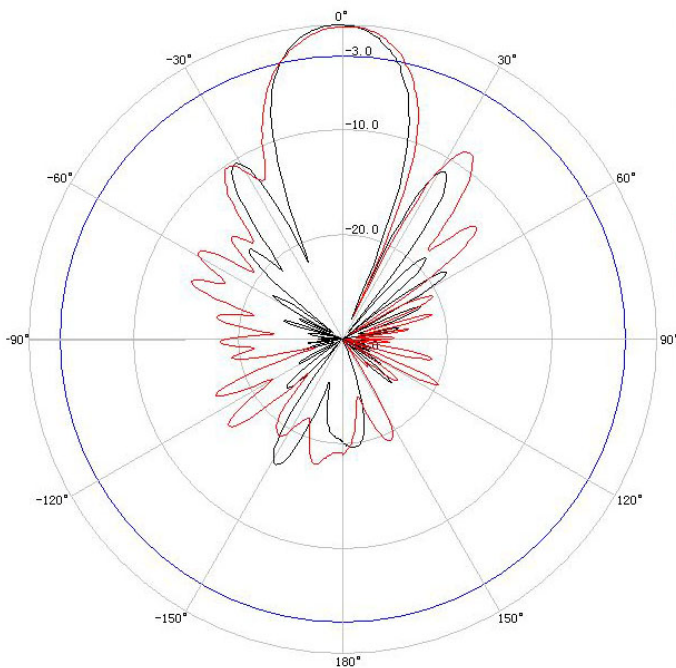
**Mechanical Specifications**

|                                 |  |
|---------------------------------|--|
| <b>connector</b>                | <b>N FEMALE</b>  |
| <b>Dimensions</b>               | <b>13.58 in x 4.57 in x 2.56 in (345 x 116 x 65mm)</b> |
| <b>Radome</b>                   | <b>White Color ABS</b>                                 |
| <b>Antenna Weight</b>           | <b>0.73 lbs (0.33kg)</b>                               |
| <b>Mounting Hardware Weight</b> | <b>0.88 lbs (0.4kg)</b>                                |
| <b>Wind Survival</b>            | <b>130mph ( 210km/h)</b>                               |

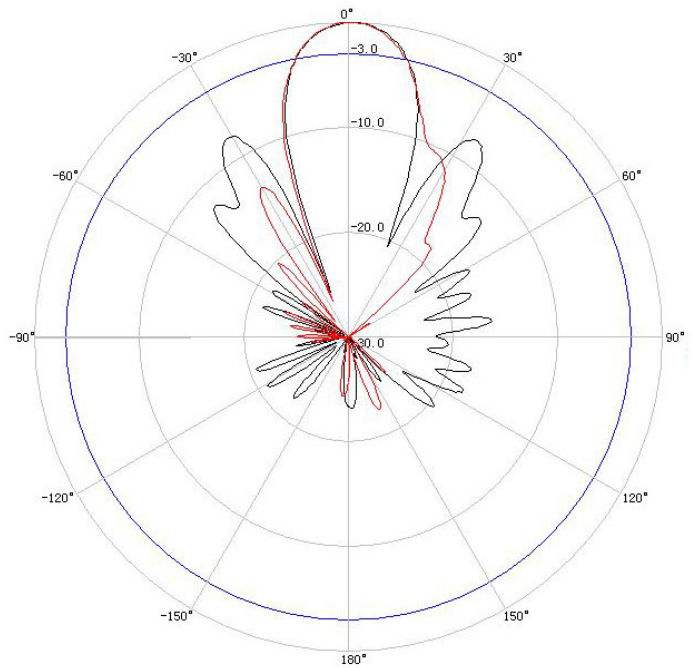
**Electrical Specifications**

|                             |  |
|-----------------------------|--|
| <b>Frequency Range</b>      | <b>4900-5850MHz</b>                          |
| <b>Gain</b>                 | <b>17dBi</b>                                 |
| <b>VSWR</b>                 | <b>1.5 or less</b>                           |
| <b>Horizontal Beamwidth</b> | <b>22°</b>                                   |
| <b>Vertical Beamwidth</b>   | <b>23°</b>                                   |
| <b>F/B Ratio</b>            | <b>&gt; = 18dB</b>                           |
| <b>Max Power</b>            | <b>50 watts</b>                              |
| <b>Polarization</b>         | <b>Vertical and Horizontal (Dual Linear)</b> |
| <b>Impedance</b>            | <b>50 Ohm</b>                                |
| <b>Lightning Protection</b> | <b>DC Ground</b>                             |

**Antenna Patterns**



**Horizontal**



**Vertical**