

## HyperLink Wireless Brand 5.1-5.8 GHz Dual Polarity Omni-directional Antennas Models: HG5158DP-10U, HG5158DP-13U

### Features

- MIMO – Multiple-Input and Multiple-Output
- Dual Polarity feed system in single enclosure
- Dual polarity, high gain operation
- Two (2) integrated diversity antennas , single package
- UV-resistant radome for all-weather operation

### Applications

- 5.1-5.8 GHz Outdoor Wireless LAN systems
- Supports 1x2 and 2x2 MIMO AP/Routers
- IEEE 802.11 a/n applications
- WiMax, WISP, WiFi, Communication
- Hospitality, Industrial, Municipality, MTU/MDU



**HG5158DP-10U HG5158DP-13U**

### Description

The HyperLink HG5158DP-10U and HG5158DP-13U series Omni-directional Antennas combine vertical and horizontal polarization with high gain in a single enclosure. It is a professional quality antenna designed primarily for MIMO point-to-multipoint applications in the 5.1-5.8 GHz frequency band.

This antenna incorporates advanced dual polarization technology that allows for the interoperability of two radios transmit and receive paths. This technology allows for the attenuation of unwanted signals from adjacent channels and/or co-located equipment.



### Specifications

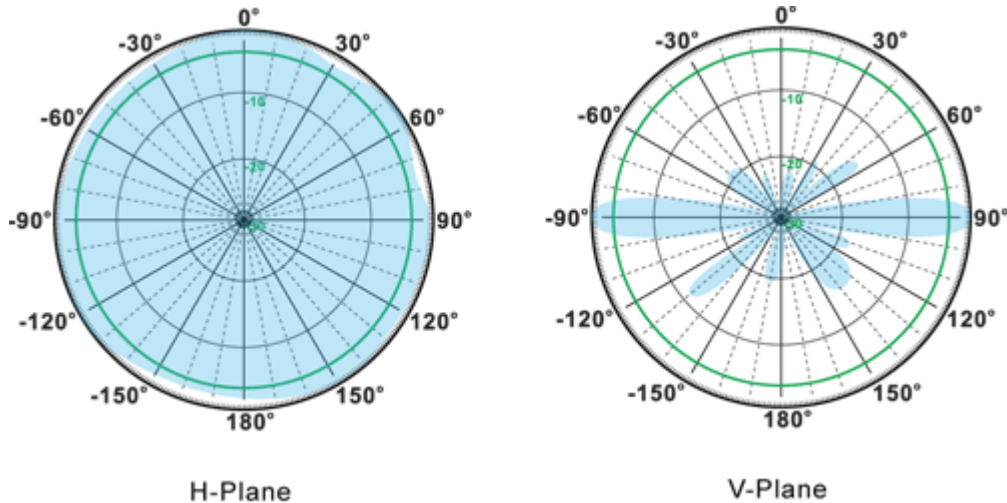
#### Mechanical Specifications

Models	HG5158DP-10U	HG5158DP-13U
<b>Connectors</b>	(2) Type N-Female	
<b>Dimensions</b> (Diameter x Length)	Ø3.3 x 19.7 in (Ø84 x 500 mm)	Ø3.3 x 23.6 in (Ø84 x 600 mm)
<b>Weight</b>	4.0 lbs (1.8 kg)	4.4 lbs (2.0 kg)
<b>Radome Material</b>	UV Resistance PVC	
<b>Mounting</b>	Ø1.6 – Ø2.4 in (Ø40 – Ø60 mm) Masts	
<b>Rated Wind Velocity</b>	130mph (210km/h)	
<b>Wind Loading @ 100 / 125 / 150 mph</b>	16 / 26 / 36 lbs	20 / 31 / 44 lbs
<b>Operating Temperature</b>	-40°C - +65°C (-40°F - +149°C)	

**Electrical Specifications**

Models	HG5158DP-10U	HG5158DP-13U
Frequency	5150-5850 MHz	
Gain	10 dBi	13 dBi
VSWR	< 2.0:1	
Polarization	Horizontal and Vertical	
Horizontal Beam Width	360°	
Vertical Beam Width	12°	7°
Isolation	> 30 dB	
Cross-polar Ratio	> 20 dB	
Nominal Impedance	50 Ohms	
Max. Input Power	100W	
Lightning Protection	DC Ground (Vertical Pol Only)	

**HG5158DP-10U Antenna Pattern**



**HG5158DP-13U Antenna Pattern**

