

## HyperLink Wireless Brand 5.1-5.8 GHz Dual Polarity 10 dBi Omnidirectional Antenna - Model: HG5158DP-10U

### 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



### Description

The HyperLink HG5158DP-10U Omnidirectional Antenna combines 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

<b>Connectors</b>	(2) Type N-Female
<b>Dimensions</b> (Diameter x Length)	Ø3.3 x 19.7 in (Ø84 x 500 mm)
<b>Weight</b>	4.0 lbs (1.8 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
<b>Operating Temperature</b>	-40°C - +65°C (-40°F - +149°C)

### Electrical Specifications

Frequency	5150-5850 MHz
Gain	10 dBi
VSWR	< 2.0:1
Polarization	Horizontal and Vertical
Horizontal Beam Width	360°
Vertical Beam Width	12°
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

