

## HyperLink Wireless Brand 5.1-5.8 GHz 8.5 dBi UP Series Omni-directional Antenna Model: HG5158-09UP-NF

### Applications

- 5.3 GHz, 5.4 GHz and 5.8 GHz band applications
- IEEE 802.11a/n wireless LAN
- WiMAX, WISP and WiFi compatible
- Point to multipoint applications
- Wireless video systems

### Features

- Durable UV-stable all weather PVC radome
- Sealed end cap
- Drain holes in base
- Integral N-Female connector
- Includes mast mounting hardware



### Description

#### High Performance

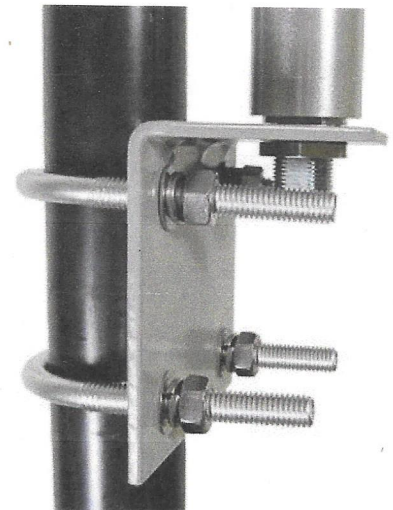
The HyperLink UP Series HG5158-09UP-NF is an economical yet high performance Omni-directional antenna designed for 5.1 GHz through 5.8 GHz band applications. These compact and lightweight antennas are ideally suited for IEEE 802.11a and 802.11n wireless LANs, public wireless hotspot application and other multipoint applications where wide coverage is desired and multiple frequencies are available for use.

#### Versatile and Economical

The HG5158-09UP-NF antenna features an integral N-Female bulkhead type connector that enables it to be mounted through the wall of an equipment enclosure. The included mast mounting kit consists of a heavy-duty steel bracket and a pair of U-bolts which allows installation on masts up to 2.0" in diameter.

#### All Weather Operation

Constructed for all weather operation, the HG5158-09UP-NF features collinear brass elements inside a durable UV-stable white PVC radome. The end cap is sealed while the drain holes at the base help prevent condensation build-up inside the antenna.



**Specifications**

**Electrical Specifications**

<b>Frequency Range</b>	5100 – 5875 MHz
<b>Gain</b>	8.5 dBi
<b>Horizontal Beam Width</b>	360°
<b>Vertical Beam Width</b>	8°
<b>Polarization</b>	Vertical
<b>Impedance</b>	50 Ohms
<b>Max. Input Power</b>	50 Watts
<b>VSWR</b>	< 1.5:1 Avg.
<b>Connector</b>	Integral N-Female Bulkhead

**Mechanical Specifications**

<b>Weight</b> (including bracket)	1.38 lbs. (0.63 kg)
<b>Radome Material</b>	White PVC
<b>Radome Diameter</b>	0.98 in. (25mm)
<b>Base Diameter</b>	1.14 in. (29mm)
<b>Length</b>	17.32 in. (440mm)
<b>Mounting Mast Size</b> (dia.)	1.37-1.96 in. (35-50mm)
<b>Rated Wind Velocity</b>	130mph/h (210km/h)

**RF Antenna Patterns**

