

## HyperLink Wireless Brand 5.8 GHz 12 dBi 802.11a Professional Omni-directional Antenna - Model: HG5812U-PRO

### Applications

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- 5.8 GHz IEEE 802.11a applications
- 5.8 GHz UNII and ISM applications
- Wireless video systems
- Point-to-multipoint applications

### Features

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- Superior performance
- Heavy duty industrial grade design
- Fiberglass radome
- All weather operation
- Integral N-Female connector



### Description

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#### Professional Performance

The HyperLink HG5812U-PRO is a professional high gain Omni-directional base station WiFi antenna designed and optimized for the 5.8GHz ISM and UNII band. This antenna is ideally suited for multipoint applications where long range and wide coverage is desired.

#### Rugged and Weatherproof

The HG5812U-PRO construction features a heavy-duty fiberglass radome for durability and aesthetics. Designed to operate in the harshest of environments, the HG5812U-PRO far exceeds other Omni-directional antennas. The included mounting system features twin heavy-duty mounting brackets and u-bolts for superior strength.



**Specifications**

**Electrical Specifications**

<b>Frequency</b>	5725-5850 MHz
<b>Gain</b>	12 dBi
<b>Polarization</b>	Vertical
<b>Down tilt</b>	0°
<b>Vertical Beam Width</b>	6°
<b>Horizontal Beam Width</b>	360°
<b>Impedance</b>	50 Ohm
<b>Max. Input Power</b>	150 Watts
<b>VSWR</b>	< 1.5:1 avg.
<b>Lightning Protection</b>	DC Short

**Mechanical Specifications**

<b>Weight</b>	1.5 lbs (0.7kg)
<b>Length</b>	29.4 in. (0.7 m)
<b>Base Diameter</b>	2.28 in. (57.9mm)
<b>Radome Diameter</b>	2.04 in. (51.8mm)
<b>Radome Material</b>	Fiberglass
<b>Mounting</b>	1.4 in. (35 mm) to 2.0 in. (50 mm) dia mast
<b>Rated Wind Velocity</b>	137 MPH/S (220Km/S)
<b>Operating Temperature</b>	-40° C to 85° C (-40° F to 185° F)
<b>Connector</b>	Integral N-Female
<b>RoHS Compliant</b>	Yes

**RF Antenna Patterns**

