

## 5.8 GHz ISM / UNII Band 12 dBi Professional Omnidirectional Wireless LAN Antenna - Model: HG5812U-PRO

### Applications and Features

- Applications:**
- 5.8GHz UNII and ISM applications
  - 5.8GHz Wireless LAN systems
  - WiFi
  - Multipoint Applications

- Features:**
- Superior performance
  - Heavy duty industrial grade design
  - All weather operation
  - DC Ground lightning protection
  - Integral N-Female Connector
  - Supplied with mast mounting kit
  - RoHS Compliant



### Description

#### Professional Performance

The HyperGain® 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 heavy-duty mast clamps, allowing installation on masts from 1.4 inches (35 mm) up to 2.0 inches (50 mm) diameter. This antenna features an integral N-Female connector.

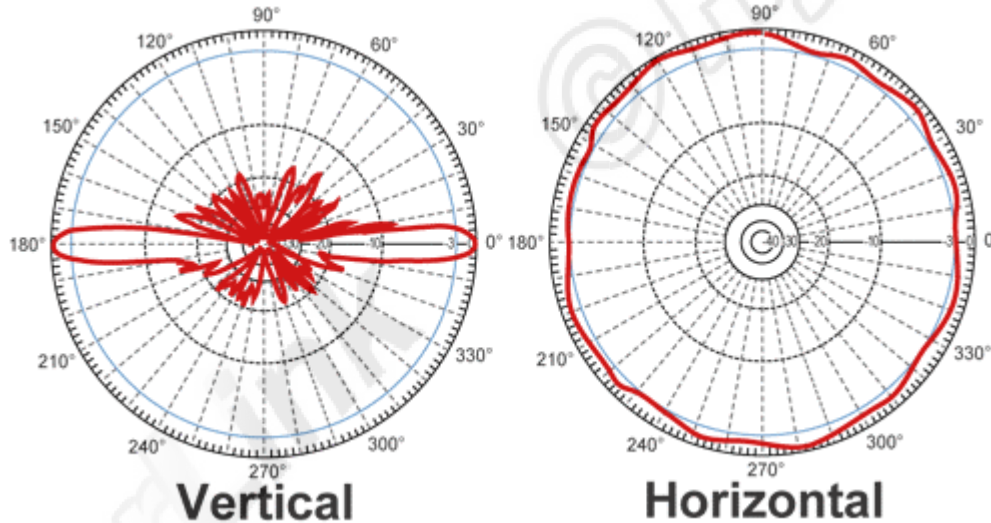
### Specifications

#### Electrical Specifications

<b>Frequency</b>	5725-5850 MHz
<b>Gain</b>	12 dBi
<b>Polarization</b>	Vertical
<b>Downtilt</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 Ground


**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 to 85° C (-40° F to 185° F)
<b>Connector</b>	Integral N-Female
<b>RoHS Compliant</b>	Yes

**RF Antenna Patterns**

**Guaranteed Quality**

This product is backed by Hyperlink's Limited Warranty.