

# HyperLink Wireless brand 3.5 GHz 11 dBi Professional Omnidirectional Antenna for 802.16e, WiMAX and Wireless LAN Systems - Model: HG3511U-PRO

## Applications and Features

**Applications:**

- 3.5 GHz Band Applications
- Wireless LAN systems
- IEEE 802.16e Applications
- WiMAX
- Mobile WiMAX
- SOFDMA
- 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

The HyperGain® HG3511U-PRO is a professional high gain omni-directional base station WiFi antenna designed and optimized for the 3.5GHz band. Typical applications include IEEE 802.16e, WiMAX and Mobile WiMAX applications. This antenna is ideally suited for multipoint applications where long range and wide coverage is desired.

The HG3511U-PRO construction features a heavy-duty fiberglass radome for durability and aesthetics. Designed to operate in the harshest of environments, the HG3511U-PRO far exceeds other omni-directional antennas. The included mounting system features heavy-duty stainless steel 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>	3400-3700 MHz
<b>Gain</b>	11 dBi
<b>Polarization</b>	Vertical
<b>Downtilt</b>	0°
<b>Vertical Beam Width</b>	9°
<b>Horizontal Beam Width</b>	360°
<b>Impedance</b>	50 Ohm
<b>Max. Input Power</b>	150 Watts
<b>VSWR</b>	< 1.6:1 avg.
<b>Lightning Protection</b>	DC Ground

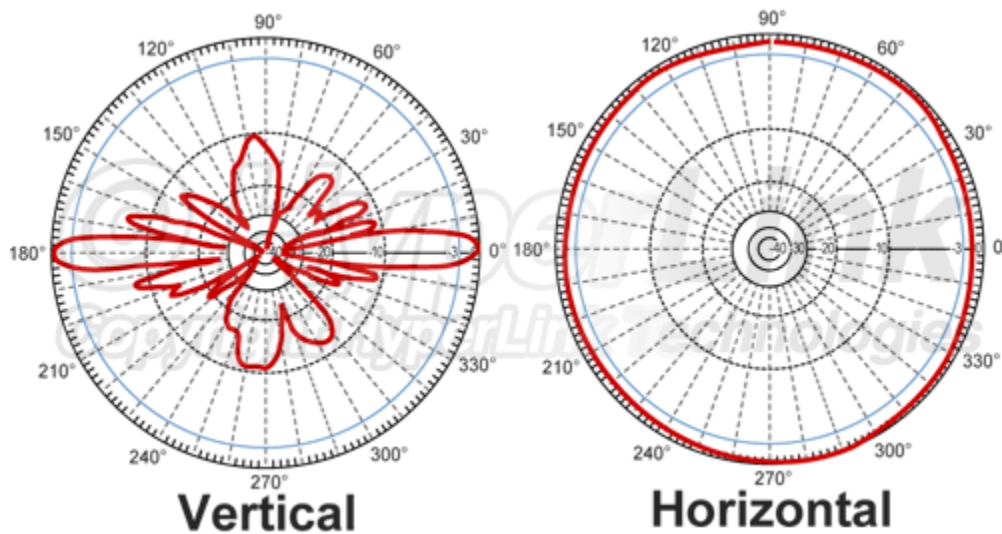
**Mechanical Specifications**

<b>Weight</b>	1.5 lbs (0.7kg)
<b>Length</b>	24.4 in. (0.6m)
<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

**Wind Loading Data**

<b>Wind Speed (MPH)</b>	<b>Loading</b>
100	6 lb.
125	10 lb.

**RF Antenna Patterns**



**Guaranteed Quality**

This product is backed by Hyperlink's Limited Warranty.