

## HyperLink Wireless 2.4 GHz 8.5 dBi Omnidirectional Wireless LAN Antenna

Model: HG2409U

### Applications and Features

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- Applications:**
- 2.4 GHz ISM Band
  - 2.36 GHz CDMA Band
  - IEEE 802.11b and 802.11g Wireless LAN
  - Bluetooth®
  - Public Wireless Hotspot
  - WiFi
  - Multipoint and Mobile Applications

- Features:**
- Superior performance
  - Compact, lightweight design
  - Durable UV-stable fiberglass radome
  - Vented end cap and drain holes in base
  - All weather operation
  - Integral N-Male connector
  - Can be installed in up or down positions
  - Optional antenna mounts available
  - RoHS Compliant



### Description

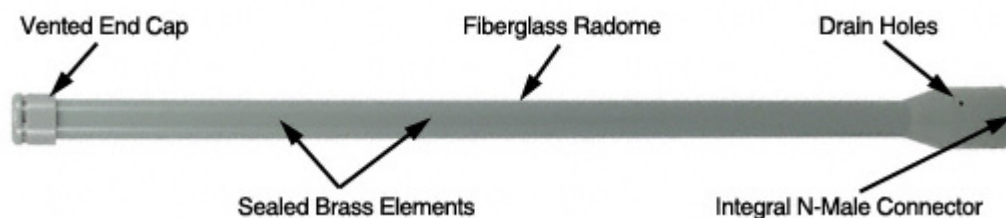
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#### High Performance

The HyperGain® HG2409U is a high performance omnidirectional WiFi antenna designed for the 2.4 GHz ISM band and 2.36 GHz CDMA band. This compact and lightweight antenna is ideally suited for IEEE 802.11b and 802.11g wireless LANs, public wireless hotspots, Bluetooth® and other multipoint and mobile applications where high gain and wide coverage is desired.

#### All Weather Operation

Constructed for all weather operation, the HG2409U features sealed collinear brass elements inside a durable UV-stable machine gray fiberglass radome. A vented end cap and drain holes in the base help prevent moisture build-up inside the antenna. These features allow the HG2409U to be mounted in up or down positions.



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**Specifications**

**Electrical Specifications**

<b>Frequency</b>	2360-2500 MHz
<b>Gain</b>	8.5 dBi
<b>Impedance</b>	50 Ohm
<b>VSWR</b>	< 2.0:1 avg.
<b>Maximum Input Power</b>	100 W

**Mechanical Specifications**

<b>Polarization</b>	Vertical
<b>Vertical Beam Width</b>	15°
<b>Horizontal Beam Width</b>	360°
<b>Weight</b>	0.5 lbs. (.22 kg)
<b>Length</b>	20 in. (508 mm)
<b>Base Diameter</b>	1.27 in. (3.22 cm)
<b>Radome Diameter</b>	.75 in. (1.90 cm)
<b>Radome Material</b>	Gray Fiberglass
<b>Wind Survival</b>	>150 MPH
<b>Operating Temperature</b>	-40° C to 85° C (-40° F to 185° F)
<b>RoHS Compliant</b>	Yes
<b>Antenna Connector</b>	Integral N-Male

**Antenna Gain Pattern**

