



## 2.4 GHz 8 dBi High Performance Omnidirectional Wireless LAN Antenna - Model: HGV-2409U

### Applications and Features

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#### Applications:

- 2.4 GHz ISM Band
- IEEE 802.11b and 802.11g Wireless LAN
- Bluetooth®
- Public Wireless Hotspot
- WiFi
- Wireless Video Systems
- Multipoint and Mobile Applications

#### Features:

- High performance
- Economical
- Compact, lightweight design
- Durable UV-stable fiberglass radome
- Vented end cap and drain holes in base
- All weather operation
- Integral N-Female connector
- Can be installed in up or down positions
- Includes Mast Mounting Kit



### Description

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#### High Performance

The HyperGain® Model HGV-2409U is an economical yet high performance omnidirectional Wi-Fi antenna designed for the 2.4GHz ISM band. These compact and lightweight antennas are ideally suited for IEEE 802.11b and 802.11g wireless LANs, Bluetooth, public wireless hotspot application and other multipoint applications where wide coverage is desired.

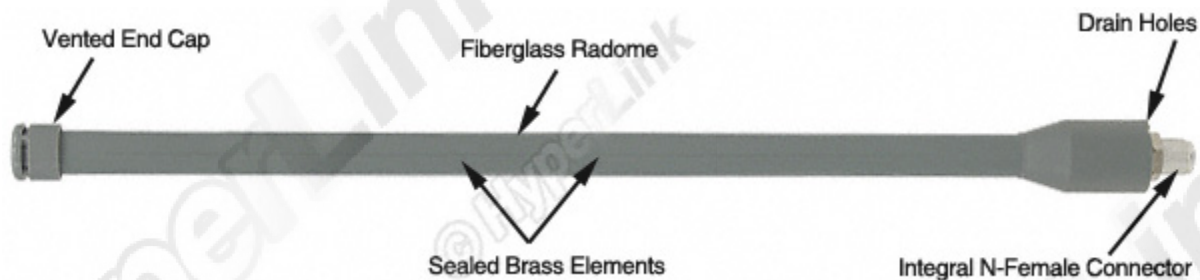
#### Versatile and Economical

This antenna features an integral N-Female bulkhead type connector that mounts through the wall of an equipment enclosure. Included with the HGV-2409U is a mast mounting kit. Consisting of a heavy-duty steel bracket and a pair of U-bolts, this kit allows installation on masts up to 2.0" in diameter.



#### All Weather Operation

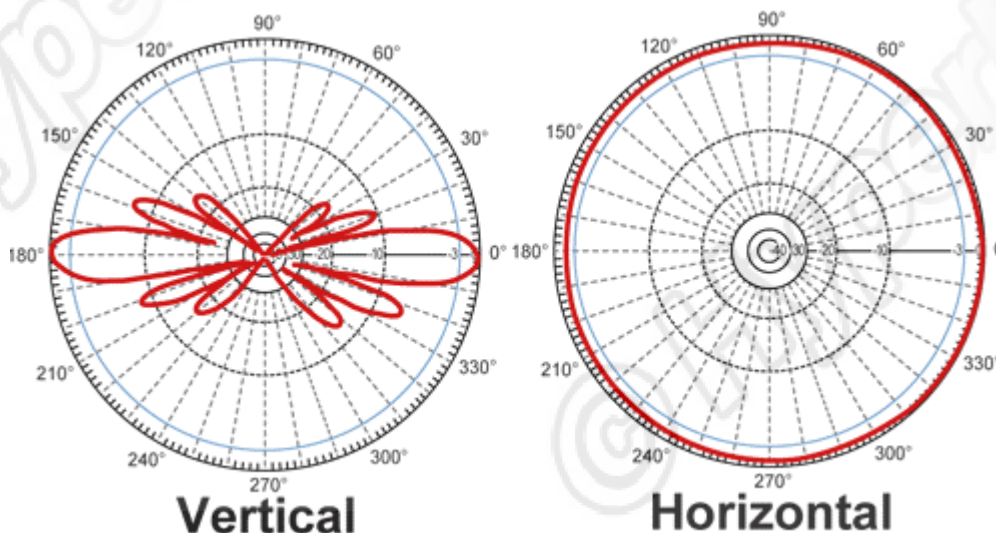
Constructed for all weather operation, the HGV-2409U features sealed collinear brass elements inside a durable UV-stable machine gray fiberglass radome. A vented end cap and drain holes in the base help prevent moisture build-up inside the antenna. These features allow the HGV-2409U to be mounted in up or down positions.



### Specifications

|                       |                                           |
|-----------------------|-------------------------------------------|
| Frequency             | 2400-2500 MHz                             |
| Gain                  | 8 dBi                                     |
| Polarization          | Vertical                                  |
| Vertical Beam Width   | 15°                                       |
| Horizontal Beam Width | 360°                                      |
| Impedance             | 50 Ohm                                    |
| Max. Input Power      | 100 Watts                                 |
| VSWR                  | < 1.5:1 avg.                              |
| Weight                | 1.1 lbs. (0.5 kg)                         |
| Length                | 19.7 in. (50 cm)                          |
| Base Diameter         | 1.27 in. (3.22 cm)                        |
| Radome Diameter       | .75 in. (1.90 cm)                         |
| Radome Material       | Gray Fiberglass                           |
| Wind Survival         | >150 MPH                                  |
| Operating Temperature | -40° C to to 85° C<br>(-40° F to 185° F)  |
| Connector             | Integral N-Type Female<br>(Bulkhead type) |

### RF Antenna Gain Pattern



**Guaranteed Quality**

This product is backed by Hyperlink's Limited Warranty.

**Mounting Options**

|                                                                                   |                                                                                                                                                                                                                                    |                     |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
|  | <b>Ceiling / Wall Universal Antenna Mount</b> can be used with HyperLink's 4.5" sq and 8.5" sq. patch antennas as well as N-Type bulkhead and TNC/BNC bulkhead omni directional antennas. Includes ceiling/wall mounting hardware. | <b>HGX-UMOUNT02</b> |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|