

## HyperLink Wireless brand 4.9-5.8 GHz 12 dBi Omni-directional Antenna Model: HGV-4958-12U

### Applications

- 4.9/5.1/5.3/5.4/5.8 GHz Wireless LAN systems
- IEEE 802.11a compatible
- Homeland Security and Public Safety band
- WiMAX and WiFi applications
- Multipoint and mobile applications

### Features

- High Performance in a compact lightweight design
- Durable UV-Stable fiberglass radome with vented end cap and drain holes in base
- All weather operation
- Integral N-Female connector
- Includes mast mounting kit



### Description

#### High Performance

The HyperLink brand model HGV-4958-12U is an economical yet high performance 12 dBi Omni-directional antenna designed for broadband frequency operation from 4.9 GHz to 5.8 GHz. Compact and lightweight, this antenna are ideally suited multipoint applications where wide coverage is desired.

#### Versatile and Economical

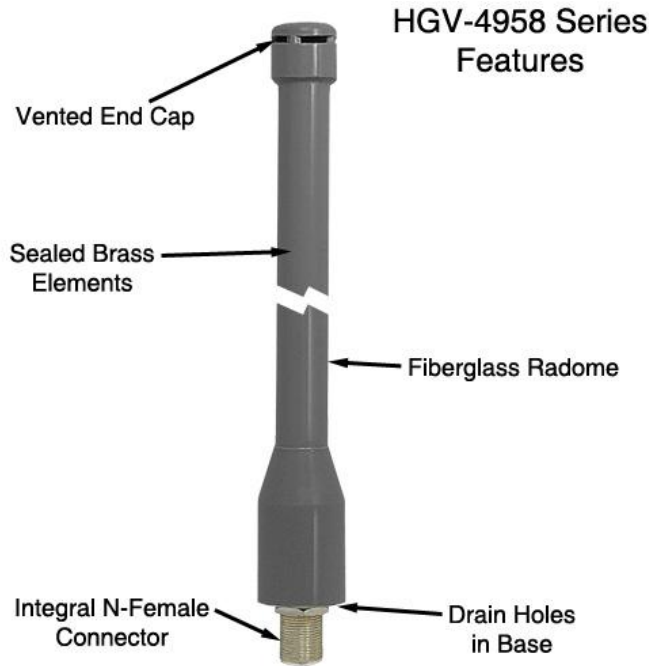


The HGV-4959 Series antennas feature an integral N-Female bulkhead type connector that can mount through the wall of an equipment enclosure. Also included is a mast mounting kit which consists of a heavy-duty steel bracket and a pair of U-bolts. This kit allows installation on masts up to 2.0" in diameter.

#### All Weather Operation

Constructed for all weather operation, the HGV-4958 Series antennas feature 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 antenna to be mounted in up or down positions.





**Specifications**

**Electrical Specifications**

<b>Frequency</b>	4900-5850 MHz
<b>Gain</b>	12 dBi
<b>Polarization</b>	Vertical
<b>Vertical Beam Width</b>	6°
<b>Horizontal Beam Width</b>	360°
<b>Impedance</b>	50 Ohm
<b>Max. Input Power</b>	100 Watts
<b>VSWR</b>	< 1.8:1 avg.
<b>Lightning Protection</b>	DC Short

**Mechanical Specifications**

<b>Weight</b> (Including Bracket)	1.45 lbs. (0.66 kg)
<b>Length</b>	28.1 in. (715mm)
<b>Base Diameter</b>	1.27 in. (32.2mm)
<b>Radome Diameter</b>	0.75 in. (19mm)
<b>Operating Temperature</b>	-40°C to 85°C (-40°F to 185°F)
<b>Connector</b>	N-Female (bulkhead type)
<b>Mounting Mast Size Diameter</b>	1.2 to 2.0 in. (30 to 50mm)
<b>RoHS Compliant</b>	Yes

**RF Antenna Patterns**

