

HyperLink Wireless brand 4.9-5.8 GHz 12 dBi Omnidirectional 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 omnidirectional 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

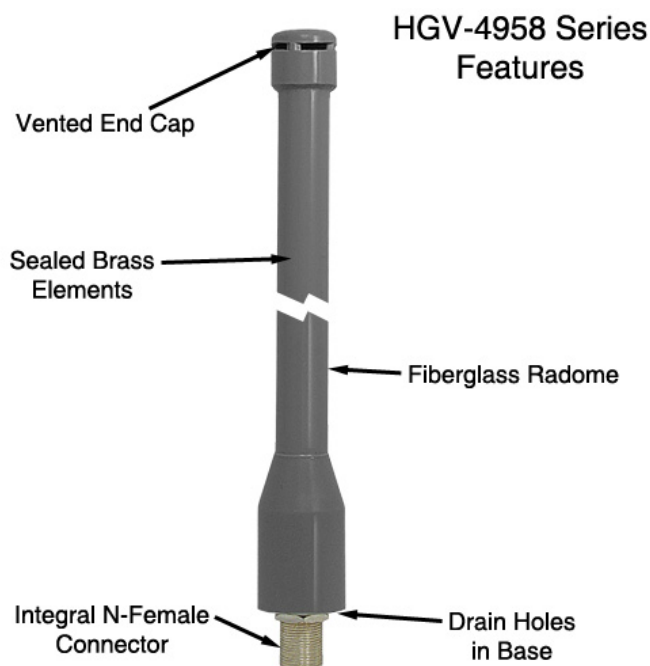


The HGV-4959 Series antennas feature an integral N-Female bulkhead type connector that can mount through the wall of an equipment enclosure. Also included is a mast mounting kit which consists of a heavy-duty steel bracket and a pair of U-bolts. This kit allows installation on masts up to 2.0" in diameter.

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

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

Mechanical Specifications

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

RF Antenna Patterns

