

## HyperLink Wireless Brand 2.4 GHz Horizontal Polarized 9 dBi Waveguide Omnidirectional Antenna - Model: HG2409WU

### Applications

- 2.4 GHz outdoor wireless LAN systems
- Supports IEEE 802.11b/g applications
- Point to multi point application
- Public wireless hotspots
- WiFi access points

### Features

- High performance waveguide design
- Horizontally polarized
- All weather operation
- Extremely rugged for long service life
- Mast mount hardware included



### Description

The HyperLink HG2409WU is a high gain omnidirectional horizontal polarized waveguide antenna designed and optimized for the 2.4 GHz ISM band. This antenna is ideally suited for IEEE 802.11b and 802.11g wireless LANs and other multipoint applications where wide coverage is desired. Horizontal Polarized antennas offer the user great rejection of interference if that interference is vertically polarized, as is the case in most WLAN systems.

This rugged antenna features a UV-resistant radome and is designed for all weather operation. The included mounting system consists of a pair of steel brackets allowing installation on masts 1.2 to 2.0 inches in diameter.



## Specifications

### Electrical Specifications

Frequency	2400-2500 MHz
Gain	9 dBi
Polarization	Horizontal
Vertical Beam Width	13°
Horizontal Beam Width	360°
Impedance	50 Ohms
Max. Input Power	100 Watts
VSWR	< 1.5:1 avg.
Lightning Protection	DC Open

### Mechanical Specifications

Weight	7.90 lbs. (3.6 kg) Including Bracket
Dimensions	35.5 x 6.3 x 2.4 in (902 x 160 x 60 mm)
Radome Material	UV Resistant PVC
Connector	N-Female
Mast Mounting Dia.	1.2 to 2.0 in Dia. (30 to 50 mm)
RoHS Compliant	Yes

### Wind Loading Data

Wind Speed (MPH)	Loading (lbs)
100	79
140	156

### RF Antenna Patterns

