**L-com Global Connectivity**

# HyperLink Wireless Brand 2.4 GHz Dual Polarity 13 dBi Omnidirectional Antenna
# Model: HG2413DPU

## Features

- MIMO – Multiple-Input and Multiple-Output
- Dual Polarity feed system in single enclosure
- Dual polarity, high gain operation
- Two (2) integrated diversity antennas , single package
- UV-resistant radome for all-weather operation

## Applications

- 2.4GHz Outdoor Wireless LAN systems
- Supports 1x2 and 2x2 MIMO AP/Router
- Supports IEEE 802.11 b/g/n applications
- WiMax, WISP, WiFi, Communication
- Hospitality, Industrial, Municipality, MTU/MDU

RoHS Compliant

## Description

The HyperLink HG2413DPU Omnidirectional Antenna combines vertical and horizontal polarization with high gain in a single enclosure. It is a professional quality antenna designed primarily for MIMO point–to-multipoint applications in the 2.4 GHz frequency band.

This antenna incorporates advanced dual polarization technology that allows for the interoperability of two radios transmit and receive paths. This technology allows for the attenuation of unwanted signals from adjacent channels and/or co-located equipment.

## Specifications

### Mechanical Specifications

| Connectors | (2) Type N-Female |
|---|---|
| **Dimensions** (Diameter x Length) | Ø3.3 x 45.3 in (Ø84 x 1150 mm) |
| **Weight** | 9.9 lbs (4.5 kg) |
| **Radome Material** | UV Resistance PVC |
| **Mounting** | Ø1.6 – Ø2.4 in (Ø40 – Ø60 mm) Masts |
| **Rated Wind Velocity** | 130mph (210km/h) |
| **Wind Loading @ 100 / 125 / 150 mph** | 36 / 56 / 80 lbs |
| **Operating Temperature** | -40°C - +65°C (-40°F - +149°C) |

## Electrical Specifications

| | |
|---|---|
| **Frequency** | 2400-2500 MHz |
| **Gain** | 13 dBi |
| **VSWR** | < 1.8:1 |
| **Polarization** | Horizontal and Vertical |
| **Horizontal Beam Width** | 360° |
| **Vertical Beam Width** | 7° |
| **Isolation** | > 30 dB |
| **Cross-polar Ratio** | > 20 dB |
| **Nominal Impedance** | 50 Ohms |
| **Max. Input Power** | 100W |
| **Lightning Protection** | DC Ground (Vertical Pol Only) |

**HG2413DPU Antenna Pattern**

H-Plane

V-Plane