

HyperLink 2.4 GHz 9 dBi Omni-Directional Wireless LAN Antenna

Model: HG2409U-PRO

Applications

- 2.4 GHz ISM Band
- ISP Base Stations
- IEEE 802.11b/g Wireless LAN
- Public Wireless Hotspot
- Multipoint and Mesh Applications

Features

- Center fed Collinear Dipole Array
- Commercial Grade Brass Radiating Elements
- Integral N-Female connector
- Durable UV-stable fiberglass radome
- Includes heavy duty pole mounting brackets



Description

Professional Grade

The HyperGain HG2409U-PRO is a Profession Grade Omni-Directional antenna that can be used for Commercial installations. The antenna features high gain and superior VSWR. The unit is optimized for the 2.4GHz ISM band.

Superior Performance

A collinear Omni-Directional antenna that utilizes a center fed Collinear Dipole array that offers superior performance over the traditional bottom fed collinear designs. A center fed collinear has radiating elements that are more uniformly fed with signals of the proper amplitude and phase.

In a bottom fed design, the signals that reach the upper elements have undergone significant amplitude and phase degradation. In most cases, the upper elements of an end fed design contribute little to the antennas final composite gain and pattern. In the HyperGain HG2409U-PRO, an internal copper hard-line provides a low loss path to the antenna's central splitting and phasing component. The brass radiating elements of the HG2409U-PRO utilize an air dielectric for lowest loss and superior radiating efficiency. The design is factory tuned for superior performance.

Rugged and Weatherproof

This antenna's construction features a durable fiberglass radome for durability and aesthetics. Its mounting system features twin heavy-duty mounting brackets and U-Bolts for superior strength. The thick brass elements provide long life in hostile environments.



Specifications

Mechanical Specifications

| | |
|----------------------------|--------------------|
| Weight | 2.76lbs (1.25kg) |
| Radome Material | Fiberglass |
| Radome Diameter | 1.5 in (38mm) |
| Rated Wind Velocity | 130 mph (210 km/h) |
| Length | 32.28 in (820mm) |

Electrical Specifications

| | |
|-----------------------------|-------------------|
| Frequency | 2400-2500 MHz |
| Gain | 9dBi |
| Horizontal Beamwidth | 360° |
| Vertical Beamwidth | 10° |
| Polarization | Vertical |
| Impedance | 50Ohm |
| Max. Input Power | 100 Watts |
| VSWR | <1.5 |
| Lightning Protection | DC SHORT |
| Connector | Integral N-Female |

Antenna Gain Patterns

