

HyperLink Wireless 2.4GHz 14 dBi Dual Polarized Panel Antenna Model: HG2414DP-3NF

Features

- MIMO Multiple-Input and Multiple-Output
- Dual Polarity feed system in single enclosure
- High gain operation
- Three (3) integrated diversity antennas, single package
- UV-resistant radome for all-weather operation

Applications

- 2.4 GHz Indoor/Outdoor Wireless LAN systems
- Supports 1x2, 2x2, 2x3, 3x3 MIMO AP/Router
- Supports IEEE 802.11 b/g/n applications
- WiMAX, WISP, WiFi, Communication
- Hospitality, Industrial, Municipality, MTU/MDU



Superior Performance

The HyperLink HG2414DP-3NF Flat Panel 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 and point-to-point applications in the 2.4 GHz frequency band.

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

Rugged and Weatherproof

This aesthetically pleasing antenna features a heavy-duty UV-resistant plastic radome ideal for allweather indoor and outdoor operation. The HG2414DP-3NF antenna is supplied with a tilt and swivel mast mount kit. This allows quick installation at various degrees of up/down tilt for easy alignment.





Specifications

Electrical Specifications

| Frequency Range | 2400-2500 MHz |
|-----------------------|-----------------------------------|
| Gain | 14 dBi |
| Polarization | Vertical (2x) and Horizontal (1x) |
| Max VSWR | <1.5:1 avg. |
| Horizontal Beam Width | 44° |
| Vertical Beam Width | 46° |
| F/B Ratio | >25dB |
| Cross-pol Isolation | >28dB |
| Max. Input Power | 10 watts |
| Lightning Protection | DC Ground |
| Input Impedance | 50 Ohm |

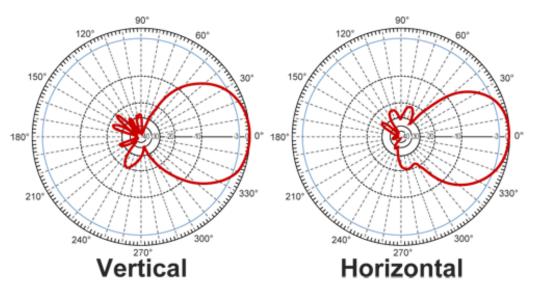
Mechanical Specifications

| Connector Interface | N-Female (3x) |
|----------------------------|--|
| Radome Material | Gray ASA |
| Dimensions | 12.40 x 12.40 x 0.98 in. (315 x 315 x 25 mm) |
| Weight (including bracket) | 3.5 lbs (1.6 kg) |
| Mounting Mast Size (Dia.) | 0.75-2.00 in. (19-50 mm) |
| Rated Wind Velocity | 130 mph (210km/h) |
| RoHS Compliant | Yes |

Wind Loading Data

| Wind Speed (MPH) | Loading |
|------------------|---------|
| 100 | 54 lbs. |
| 125 | 85 lbs. |

RF Antenna Patterns



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