

HyperLink Wireless Brand 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



Description

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 all-weather 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)
Rated Wind Velocity	130 mph (210km/h)
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	1.5–2.0 in. (40-50 mm)

Wind Loading Data

Wind Speed (MPH)	Loading
100	33 lbs.
125	51 lbs.
150	73 lbs.

RF Antenna Patterns

