

HyperLink Wireless Brand 2.4/5.8GHz Triple Element Dual Polarized Panel Antenna Model: HG2458-14DP-3NF

Features

- Three Independent 14 DBi Antennas
- 802.3a/b/g/n Radio Applications
- MIMO – Multiple-Input and Multiple-Output
- Dual Polarity feed system in single enclosure
- Dual Band, high gain operation
- Two vertical and one horizontal elements
- UV-resistant radome for all-weather operation

Applications

- 2.4/5.8 GHz Indoor/Outdoor Wireless LAN systems
- Supports 1x2, 2x2, 2x3, 3x3 MIMO AP/Router
- Supports IEEE 802.11 a/b/g/n applications
- MIMO, WISP, WiFi
- Hospitality, Industrial, Municipality



Description

Superior Performance

The HyperLink HG2458-14DP-3NF Flat Panel Antenna combines three dual band antennas in a single housing. The unit consists of two vertically and one horizontally polarized multi-patch antennas. It is a professional quality antenna designed primarily for MIMO point-to-multipoint and point-to-point applications in the 2.4 and 5.8 GHz frequency bands. The unit can be used with APs and Routers with 1, 2 or 3 antenna ports.

Rugged and Weatherproof

This aesthetically pleasing antenna features a heavy-duty UV-resistant plastic radome ideal for all-weather indoor and outdoor operation. The HG2458-14DP-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

Mechanical Specifications

Connector Interface	N-Female (3x)
Rated Wind Velocity	130mph (210km/h)
Wind Load	33/51/73 lbs. at 100/125/150 mph
Dimensions	12.40" x12.40"x0.98" (315x315x25mm)
Weight	3.5 lbs (1.6kg including the bracket)
Mounting Mast Size	1.5–2.0in (40-50mm)

Electrical Specifications

Frequency Range	2400-2500/5125-5875 MHz
Gain	12-14dBi
Polarization	Vertical (2x) and Horizontal (1x)
Max VSWR	< 1.8
V pol Horizontal Beamwidth	86°
H pol Horizontal Beamwidth	75°
Vertical Beamwidth	23°
F/B Ratio	>25dB
Cross-pol Isolation	>28dB
Max. Input Power	10 watts
Lightning Protection	DC Ground
Input Impedance	50 Ohm

RF Antenna Patterns

