

HyperLink Wireless Brand 2.4/5.8 GHz 10 dBi Dual Polarized Mini Panel Antenna Model: HG2458-10DP

Applications

- 2.4/5.8 GHz ISM band applications
- IEEE 802.11a/b/g/n Wireless LAN
- IEEE 802.11ac Wireless systems
- WiFi and public wireless hotspots
- MIMO applications

Features

- Compact size, 4 x 4 x 3.5 in.
- Durable UV-stable ABS radome
- All weather operations
- Dual polarity feed system in single enclosure
- MIMO – Multiple Input/Multiple Output



Description

This very compact panel 2.4/5.8 GHz multiple-input and multiple-output (MIMO) patch antenna is designed to operate with many manufacturers' enterprise-class 802.11n MIMO access points (APs). It features two independent dual-band, vertically polarized antennas in a single housing, making it an ideal and aesthetically pleasing antenna to support demanding indoor or outdoor applications in next generation IEEE 802.11n and 802.11ac wireless communication systems.

The antenna is fed via two N-Female ports, one for vertically polarized and one for horizontally polarized signals. This feature makes this antenna ideal for polarization diversity systems.

Designed for all weather operation, the HG2458-10DP features drain holes in the radome to help prevent moisture build-up inside the antenna. The antenna is supplied with a 30 degree tilt and swivel mast mount kit. This allows the antenna to be positioned for optimal performance. It can be adjusted up or down from 0° to 30°. It can be mounted to a 1" (25.4 mm) to 1.7" (43.2 mm) dia. masts.



Specifications

Electrical Specifications

Frequency Range	2400-2500/4900-5850 MHz
Gain	8 dBi @ 2.4 GHz / 10 dBi @ 4.9-5.8 GHz
Polarization	Vertical and Horizontal
Vertical Beamwidth	57° @2.4 GHz / 42° @ 4.9-5.8 GHz
Horizontal Beamwidth	90° @2.4 GHz / 70° @ 4.9-5.8 GHz
Max. Power	50W
Impedance	50 Ohm
Isolation	> 28 dB
VSWR	< 2.0 (V-Pol) / < 2.3 (H-Pol)
Front to Back Ratio	≥ 15 dB
Lightning Protection	DC Ground

Mechanical Specifications

Connectors	(2) Integral N-Female
Mounting	1 to 1.7 in. (25.4 to 43.2 mm) dia. Masts
Vertical Tilt	0-30°
Radome	UV-Protected ABS
Dimensions	4 x 4 x 3.5 in. (104 x 104 x 90mm)
Antenna Weight	1.1 lbs (0.5kg)
Mounting Bracket Weight	0.4 lbs (0.18 kg)
Operating Temperature	-40°C to 60°C (-40°F to 131°F)
Rated Wind Velocity	130 mph/h (210 km/h)
RoHS Compliant	Yes

RF Antenna Patterns

