

HyperLink Wireless 2.4/5.8 GHz 17/20 dBi Flat Panel Antenna Model: HG2458-20P

Applications

- IEEE 802.11a, 802.11b and 802.11g applications
- Multi-band access points, CPE's and wireless routers
- 2.4 GHz ISM and 5.3/5.8 GHz UNII/ISM wireless systems
- Subscriber sites and CPE applications
- 2.4 GHz and 5.8 GHz wireless video systems

Features

- Multi-band operation, 2400-2500 MHz / 5150-5875 MHz
- Dual antenna elements coupled to single feed
- Heavy duty all weather radome
- Can be mounted for horizontal or vertical polarization
- Includes tilt and swivel mast mount



Description

Superior Performance

The HG2458-20P is a high performance multi-band directional flat patch WiFi antenna suitable for indoor and outdoor applications in the 2.4GHz (2400-2500 MHz) and 5.1-5.8 GHz (5150-5850 MHz) band. The Multi-band design of this antenna eliminates the need to purchase different antennas for each frequency. This simplifies installations since the same antenna can be used for a wide array of wireless applications. The HG2458-20P features a heavy-duty UV-stable radome for all-weather operation. It is supplied with a tilt and swivel mast kit which allows installation at various degrees of incline for easy alignment.



Multi Band Operation

The HG2458-20P is actually two antennas in one. A dual element 2.4 GHz antenna and a dual element 5 GHz antenna coupled to a single feed. Since many dual-band 802.11a/b/g radios share a single antenna, the HG2458-20P can split these signals so that the two separate internal 2.4 GHz and 5 GHz antennas can be used to improve performance. The HG2458-20P can also receive separate 2.4 GHz and 5 GHz signals and combine them into a single feed.

Specifications

Electrical Specifications

Frequency Range	2400-2500/5150-5875 MHz
Gain	17 dBi @ 2.4 GHz / 20 dBi @ 5 GHz
Horizontal Beam Width	23° @ 2.4 GHz / 11° @ 5 GHz
Vertical Beam Width	23° @ 2.4 GHz / 11° @ 5 GHz
Polarization	Horizontal or Vertical
Impedance	50 Ohms
Max. Input Power	50 Watts
VSWR	< 2.0

Mechanical Specifications

Connector	(1) N-Female
Weight (Including bracket)	3.3 lbs. (1.5 kg)
Dimensions	12.4 x 12.4 x 1 in. (315 x315 x 25.4 mm)
Radome Material	Grey ASA
Operating Temperature	-40°C to 85°C (-40°F to 185°F)
Mounting Mast Size (Dia.)	0.75-2.00 in. (19-50 mm)
Rated Wind Velocity	130mph (210km/h)
RoHS Compliant	Yes

Wind Loading Data

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

RF Antenna Patterns

