



Front View



Mount View



Technical Data

Maximum Power: 25 watts
Polarization: Dual Linear (2 x V / 1 x H) for each band
Nominal Impedance: 50 ohms
SWR: 1.7:1 typical 2.0:1 maximum
Front to Back Ratio: ≥ 20
Radome Material: UL94-HB ASA radome
Mounting Method: Adjustable mount is included. Suitable for pipe or wall installation.

FP2458-DP3X3

Directional MIMO Panel Antenna

The FP2458-DP3X3 dual-band MIMO antenna provides spatial and polarization diversity coverage of 2.4-2.5 GHz and 5.1-5.9 GHz broadband wireless WiFi frequencies in an attractive, low-profile housing. The platform was designed to provide optimal coverage for areas or events with a large number of mobile data users. It was designed for outdoor or in-building installations utilizing 802.11n multi-band wireless LAN access point radios.

Features

- Coverage of 2.4-2.5 GHz and 5.1-5.9 GHz frequencies
- Six-port MIMO design (three ports for each frequency band)
- Beamwidth and gain characteristics designed for optimal coverage
- Integral high performance, low loss Plenum rated cable jumpers
- Fully adjustable mount for pipe or wall mounting
- UL 94-HB listed materials

RF/Electrical Specifications

Frequency Range	Nominal Gain	Horizontal Beamwidth	Vertical Beamwidth	Port-to-Port Isolation
2.4-2.5 GHz	12.5 dBi	27°	48°	32 dB
5.1-5.9 GHz	11.5 dBi	30°	40°	37 dB

Mechanical Specifications

Wind Survivability	Dimensions	Antenna Weight (mass)	Temperature Range
125 mph	14.5" x 14.5" x 1.75" (340 x 340 x 30 mm)	3.5 lbs (1.6 kg)	-40° C to +85° C

Connector Options

Part Number	Connector Type
FP2458-DP3X3RPC	Reverse Polarity TNC plug
FP2458-DP3X3RPSMA	Reverse Polarity SMA plug
FP2458-DP3X3NM	N Male
FP2458-DP3X3RPNM	Reverse Polarity N Male