

## VenU® Directional MIMO Panel Antennas

The VenU dual-band MIMO antenna provides spatial and polarization diversity coverage of 2.4-2.5 GHz and 5.1-5.9 GHz broadband wireless Wi-Fi 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



FP2458-DP3X3-RPC



FPM-1001 Mount

### STANDARD CONFIGURATION

Model	Connector	Mount
FP2458-DP3X3-RPC	Reverse Polarity TNC plug	FPM-1001 is included. Suitable for pipe or wall installation.
FP2458-DP3X3-RPSMA	Reverse Polarity SMA plug	
FP2458-DP3X3-NM	N Male	
FP2458-DP3X3-RPNM	Reverse Polarity N Male	

### ELECTRICAL SPECIFICATIONS - RF ANTENNA (ALL MODELS)

Frequency Range	Gain	VSWR	Azimuth Half Power Beamwidth	Elevation Half Power Beamwidth
2.4-2.5 GHz / 5.1-5.9 GHz	12.5 dBi / 11.5 dBi	1.7:1 typical, 2.0:1 maximum	27° / 30°	48° / 40°

### ELECTRICAL SPECIFICATIONS - RF ANTENNA, continued (ALL MODELS)

Front to Back Ratio	Average Power	Nominal Impedance	Polarization	Port-to-Port Isolation
≥ 20	25 watts	50 ohms	Dual Linear (2 x V / 1 x H) for each band	32 dB / 37 dB

### MECHANICAL & ENVIRONMENTAL SPECIFICATIONS

Dimensions	Weight	Housing Material	Temperature Range	Rated Wind
14.5 L x 14.5 H x 1.57 D in (36.8 x 36.8 x 4 cm)	3.5 lbs (1.6 kg)	UL 94 HB ASA radome	-40°C to +85°C	125 mph