



# VenU® Dual-Band, Six-Port MIMO Wall Mount Directional Panel Antenna

The FPMI2458-VP6RPSMA dual-band directional MIMO antenna provides spatial diversity coverage of 2.4 and 5 GHz broadband wireless frequencies in an attractive, low-profile housing. The platform was designed for outdoor installations utilizing 802.11n multi-band wireless LAN access point radios. It provides optimal coverage for venues with a large number of mobile data users.

### Features

- Dual-band coverage of 2.4 GHz and 5 GHz broadband wireless frequencies
- Three 2.4 GHz and three 5 GHz integrated elements terminated with high performance, low loss Plenum cable
- Attractive low-profile radome
- Includes heavy-duty articulating mount for wall or mast mount installations
- UL94 V0 materials and Plenum rated cable for compliance with strict building code safety specifications



FPMI2458-VP6RPSMA

### STANDARD CONFIGURATION

Model	Cable	Connector	Mount
FPMI2458-VP6RPSMA	Six 39-inch RG-58PLW cables, white	Reverse Polarity SMA male	Heavy-duty articulating mount (included)

### ELECTRICAL SPECIFICATIONS - RF ANTENNA

Frequency Range	Nominal Gain	VSWR	3 dB Azimuth Half Power Beamwidth	3 dB Elevation Half Power Beamwidth
2.4-2.5 GHz	8.5 dBi	@ 2.4 GHz: 1.5 typical, 2.0 maximum	@ 2.4 GHz: 60°	@ 2.4 GHz: 30°
5.15-5.85 GHz	6 dBi	@ 5 GHz: 1.8 typical, 2.5 maximum	@ 5 GHz: 55°	@ 5 GHz: 35°

### ELECTRICAL SPECIFICATIONS - RF ANTENNA, continued

Front to Back Ratio	Average Power	Nominal Impedance	Polarization	Port-to-Port Isolation
@ 2.4 GHz: 12 dB @ 5 GHz: 15 dB	25 watts	50 ohms	Vertical, linear	@ 2.4 GHz: 22 dB @ 5 GHz: 27 dB

### MECHANICAL & ENVIRONMENTAL SPECIFICATIONS

Dimensions	Housing Material	Ingress Protection	Temperature Range
9.8 W x 7.2 H x 2.0 D in (24.9 x 18.3 x 5 cm)	ASA, UL 94 HB plastic, off-white (paintable with non-metallic paint only)	IP67*	-40°C to +70°C

\* When installed according to the manufacturer's installation instructions.