

# FP2458-VP6RPC

## Directional MIMO Panel Antenna

The FP2458-VP6RPC dual-band MIMO antenna provides spatial diversity coverage of 2.4-2.5GHz WiFi and 4.9-5.9GHz Wi-Fi, WiMAX broadband wireless 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 2.4-2.5GHz and 4.9-5.9GHz frequencies.
- Six-port MIMO design (3 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.
- Attractive low profile radome.
- UL 94-V0 listed materials.



FRONT VIEW



MOUNT VIEW



### RF/Electrical Specifications

Frequency Range	Nominal Gain	Horizontal Beamwidth	Vertical Beamwidth	Port-to-Port Isolation
2.4-2.5GHz	10 dBi	55°	30°	32 dB
4.9-5.9GHz	6 dBi	50°	30°	37 dB

### Technical Data

Maximum Power: 25 watts
Polarization: Vertical Linear
Nominal Impedance: 50 ohms
SWR: 1.7 typical 2.0 maximum
Front to Back Ratio: ≥ 25
Radome Material: UL94-V0 ASA radome
Mounting Method: Adjustable mount is included. Suitable for pipe or wall installation.

### 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