

VenU[®] Dual Band WiFi Panel Antennas

WiFi/Bluetooth/BLE Antennas - Panel Antennas

FPMI2458 Series



Description

Compact and efficient RF support for 802.11ac MIMO access points for broadband wireless communications

Technologies

- WiFi MIMO

Features

- Four RF ports provides dual-band 2.4/5 GHz operation
- Aesthetically pleasing, low-profile housing
- Meets important compliance standards – UL 94 HB ASA radome and PC board conform to UL's high flame retardant ratings
- Articulating mount included



FPM-1005 mount

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The compact VenU[®] FPMI2458 Series directional panel antennas provide efficient RF support of access points for broadband wireless communications. Both models deliver dual-band coverage in each of their four ports. The panels are compact and rugged and may be wall or pipe mounted indoors or outdoors.

Features

- High performance – Each of the four RF ports provides dual-band 2.4/5 GHz operation
- Meets important compliance standards – UL 94 HB ASA radome and PC board conform to UL's high flame retardant rating; meets stringent building code requirements
- Low-profile housing – Blends well with environments where aesthetic considerations are important
- Ease of installation – Articulating mount included

Applications

- Indoor and outdoor WiFi MIMO applications

Certifications



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Standard Configuration

Model Number	Cable	Connectors	Mount Type
FPMI245808-DP4NF	Purchase N Male mating cable assemblies separately.	N Female	FPM-1005 wall/pipe mount included; provides +20 / -90° in the vertical tilt, and ±70° horizontal adjustment. Accommodates poles of min. 1.5 inches.

Electrical Specifications – RF Antenna

Frequency Ranges	Typical Gain	VSWR	Horizontal 3 dB Beamwidth	Vertical 3 dB Beamwidth	Front to Back Ratio	Port-to-Port Isolation	Average Power	Nominal Impedance	Polarization
2.4-2.49 GHz	7.6 dB	2.0 maximum	60°	44°	20 dB typical	18 dB (min.)	20 watts	50 ohms	±45° linear slant horizontal and vertical
4.9-6.0 GHz	8 dBi		60°	43°					

Mechanical and Environmental Specifications

VenU[®] FPMI245808-DP4NF

Dimensions	7.8" L x 7.8" W x 1.3" H in (197 x 197 x 34 mm)
Weight	2.6 lbs (1.2 kg) including adjustable mount
Housing Material	White UV-Stable ASA
Rated Wind	135 mph
Ingress Protection	IP67 (when installed according to the manufacturer's installation instructions)
Temperature Range	-40°C to +85°C

CONTACT US

**For more information about
this product contact your
sales representative or visit
> pctel.com/antenna-products**

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