

VenU® Dual-Band, 802.11 ac Panel Antennas

The FPMI2458 compact directional panel antennas provide RF efficient support of 802.11ac MIMO access points for broadband wireless communications. Both models provide dual-band 2.4/5 GHz coverage in each of its four ports.

The panels are compact and rugged and may be wall or pipe mounted indoors or outdoors. An adjustable, heavy-duty pipe mount is included for outdoor installations.

Features

- Each of the four RF ports provides dual-band 2.4/5 GHz operation
- UL 94 HB ASA radome and PC board conform to UL's high flame retardant rating to accommodate stringent building code flammability requirements
- Attractive, UV-stable housing offers a low-profile option for aesthetic considerations
- Includes a heavy-duty articulating mount for outdoor, pipe mount installations



FPMI2458-DP4RPSMA



FPM-1005 mount

STANDARD CONFIGURATION

Model	Cable	Connector	Mount
FPMI245808-DP4NF	Purchase N Male mating cable assemblies separately.	N Female	FPMI245805-DP4NF FPM-1005 wall/pipe mount provides +20° / -90° in the vertical tilt, and ±70° horizontal adjustment. Mount accommodates poles of min. 1.5 inches. Mount is included.
FPMI245805-DP4NF	Purchase N Male mating cable assemblies separately.	N Female	

ELECTRICAL SPECIFICATIONS

Model	Frequency Range	Gain	VSWR	Horizontal 3 dB Beamwidth	Vertical 3 dB Beamwidth
FPMI245808-DP4NF	2.4-2.49 GHz / 4.9-6.0 GHz	7.6 dBi / 8 dBi	2.0 maximum	60° / 60°	60° / 60°
FPMI245805-DP4NF	2.4-2.49 GHz / 4.9-6.0 GHz	5 dBi / 5 dBi	2.0 maximum	85° / 85°	85° / 85°

ELECTRICAL SPECIFICATIONS

Front to Back Ratio	Port to Port Isolation	Average Power	Nominal Impedance	Polarization
20 dB typical	18 dB (min.)	20 watts	50 ohms	±45° linear slant horizontal and vertical

MECHANICAL & ENVIRONMENTAL SPECIFICATIONS (ALL MODELS)

Dimensions	Weight	Housing Material	Ingress Protection	Rated Wind	Temperature Range
7.8 L x 7.8 W x 1.3 H in (19.7 x 19.7 x 3.4 cm)	2.6 lbs (1.2 kg) including adjustable mount	White UV-Stable ASA	IP67*	135 mph	-40°C to +85°C

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