

Directional Linear Polarized Panel Antennas



PCTEL's FP directional panel antenna series is designed to cover various frequencies, obtaining maximum gain with an attractive, low-profile package. All of the models provide efficient and stable performance across the band and can be mounted indoors or outdoors.

Features

- UL 94 HB ASA radome and PC board conform to UL's high flame retardant rating, allowing maximum installation flexibility
- Meets stringent building code requirements
- Attractive, low-profile housing blends well with indoor and outdoor environments where aesthetic considerations are important
- Adjustable mounting brackets for outdoor installation
- Panel mounted type N Female connector



FP4959-22VP



FPM-1001 Mount

STANDARD CONFIGURATION

Model	Connector	Mount
FP8241850-10VP FP4959-22VP	Type N Female Type N Female	FPM-1001 fully adjustable mount is included. Suitable for wall or mast mount installations (all models)

ELECTRICAL SPECIFICATIONS - RF ANTENNA

Model	Frequency Range	Gain	VSWR	Azimuth Half Power Beamwidth	Elevation Half Power Beamwidth
FP8241850-10VP FP4959-22VP	824-960 MHz / 1710-2170 MHz 4.9-5.9 GHz	10 dBi / 11 dBi 22 dBi	< 2.0:1 < 1.5:1	40° / 30° 9°	52° / 66° 9°

ELECTRICAL SPECIFICATIONS - RF ANTENNA, continued

Model	Front to Back Ratio	Maximum Power	Nominal Impedance	Polarization
FP8241850-10VP FP4959-22VP	≥ 25 ≥ 25	20 watts 20 watts	50 ohms 50 ohms	Vertical linear Vertical linear

MECHANICAL & ENVIRONMENTAL SPECIFICATIONS (ALL MODELS)

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