

## Directional Linear Polarized Panel Antennas

The 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

- UL94-V0 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.



FRONT VIEW



MOUNT VIEW

### RF/Electrical Specifications

Model	Frequency Range	Gain	3 dB Horizontal Beamwidth	3 dB Vertical Beamwidth
FP8241850-10VP	824-960 MHz	10 dBi	40°	52°
	1710-2170 MHz	11 dBi	30°	66°
FP3637-18VP	3.6-3.75 GHz	18 dBi	18°	18°
FP4959-22VP	4.9-5.9 GHz	22 dBi	9°	9°



### Technical Data

Maximum Power: 20 watts
Polarization: Vertical Linear
Nominal Impedance: 50 ohms
VSWR: < 2.0 (FP8241850-10VP only) < 1.5 (all models except FP8241850-10VP)
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

Model	Dimensions	Antenna Weight (Mass)	Temperature Range
FP8241850-10VP	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
	FP3637-18VP	14.5" x 14.5" x 1.75" (340 x 340 x 30 mm)	
FP4959-22VP	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