

8 dBi Panel Antenna 902-928 MHz RP-SMA Connector

The Fairview Microwave FM51FP1005-2 high gain flat panel antenna provides 8 dBi gain with broad coverage. It is suitable for both indoor and outdoor wireless LAN and wireless video applications in the 900MHz ISM band, GSM, 900MHz cellular, RFID, LPWAN, IoT, and M2M applications.

The reverse polarity SMA male connectorized FM51FP1005-2 construction features sealed internal elements and an aesthetic UV-stable, UL flame rated white plastic radome. Can be wall or mast mounted using U-bolts.

This flat panel antenna, as well as our wide selection of superior quality RF devices, ships same day. Contact our knowledgeable and friendly technical support and sales staff for your answers on antennas or other Fairview Microwave products.

Configuration

Design	Panel
Gain	8 to 8 dBi
Polarization	Vertical or Horizontal
Cable Type	Coax lead
Cable Length	48 in [121.92 cm]
Connector Type	SMA Plug Reverse Polarity
Number of Ports	1

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	902		928	MHz
Input VSWR		1.5:1	1.5:1	
Impedance		50		Ohms
Gain		8		dBi
Horizontal (Azimuth) Beam Width		75		Degrees
Vertical (Elevation) Beam Width		65		Degrees

Specifications by Frequency

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	0.902-0.928					GHz
Gain	8					dBi
Horiz. Beam Width	75					Degrees
Vert. Beam Width	65					Degrees

Mechanical Specifications

Radome Material	ASA
Size	
Length	8.5 in [215.9 mm]
Width	8.5 in [215.9 mm]
Height	1.2 in [30.48 mm]
Weight	0.438 lbs [198.67 g]
Color	White



Features:

- Vertical or Horizontal Polarization
- Light Weight
- Low Loss
- 4 ft. Coax Lead
- Durable UV Stable
- UL Flame Rated Radome

Applications:

- Cellular, GSM
- Wireless LAN Systems
- 900 MHz ISM Band
- LPWAN, LoRA, IoT, M2M Applications
- SCADA, RFID

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Environmental Specifications

Temperature

Operating Range -20 to +60 deg C

Environment UL-94HB

Wind Loading 150 MPH [241.4 KPH]

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

8 dBi Panel Antenna 902-928 MHz RP-SMA Connector from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [8 dBi Panel Antenna 902-928 MHz RP-SMA Connector FM51FP1005-2](#)

URL: <https://www.fairviewmicrowave.com/single-antenna-902-928-mhz-8-dbi-gain-sma-fm51fp1005-2-p.aspx>

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