

9 dBi WideBand Panel Antenna

The Fairview Microwave FM51FP1006 high performance antenna provides 9 dBi of gain with broad coverage. Suitable for both indoor and outdoor installations, the FM51FP1006 is ideal for 900 MHz ISM band applications, 900 MHz cellular applications, SCADA, RFID, and LPWAN/IoT/M2M applications.

The FM51FP1006 features a heavy duty UV-stable plastic radome for all weather operation and an integral N-Female connector. The included tilt and swivel mast mount allows installation at various degrees of incline for easy alignment.

Configuration

Design	Panel
Gain	9 to 9 dBi
Polarization	Vertical or Horizontal
Connector Type	N Female
Number of Ports	1
Lightning Protection	DC Ground

Electrical Specifications

Description	Min	Typ	Max	Units
Input VSWR		1.8:1	1.8:1	
Impedance		50		Ohms
Gain		9		dBi
Input Power			10	Watts

Specifications by Frequency

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	0.824-0.96					GHz
Gain	9					dBi
Horiz. Beam Width	70					Degrees
Vert. Beam Width	60					Degrees
Max Input Power	10					Watts

Mechanical Specifications

Radome Material	UV-inhibited Polymer
Size	
Length	12.4 in [314.96 mm]
Width	12.4 in [314.96 mm]
Height	1 in [25.4 mm]
Weight	0.045 lbs [20.41 g]

Environmental Specifications

Wind Loading	130 MPH [209.21 KPH]
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Features:

- Heavy duty all weather plastic radome
- Can be installed for vertical or horizontal polarization
- Direct ground protection
- Integral N-Female connector
- Includes tilt and swivel mast mount

Applications:

- 900 MHz ISM and cellular band
- Wireless video links
- SCADA and RFID applications
- NLOS (near line of sight) applications
- LPWAN, LoRA, IoT, M2M applications

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

Plotted and Other Data

Notes:

9 dBi WideBand Panel Antenna 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: [9 dBi WideBand Panel Antenna FM51FP1006](#)

URL: <https://www.fairviewmicrowave.com/wide-antenna-9-dbi-gain-n-fm51fp1006-p.aspx>

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