

4.9-5.8 GHz 19dBi Dual Polarized Panel Antenna

The Fairview Microwave FM51FP1011 Flat Panel Antenna combines vertical and horizontal polarization with high gain over broadband frequency in a single enclosure. It is a professional quality antenna designed primarily for MIMO point-to-multipoint and point-to-point applications in the 4.9 GHz to 5.8 GHz frequency bands. The FM51FP1011 supports 802.11a/n and MIMO applications.

This aesthetically pleasing antenna features a heavy-duty UV-resistant plastic radome ideal for all-weather indoor and outdoor operation. The FM51FP1011 antenna is supplied with a tilt and swivel mast mount kit. This allows quick installation at various degrees of up/down tilt for easy alignment.

Configuration

Design	Panel
Gain	19 to 19 dBi
Polarization	Vertical or Horizontal
Connector Type	N Female
Interface 2	N Female
Number of Ports	2
Lightning Protection	DC Ground

Electrical Specifications

Description	Min	Typ	Max	Units
Input VSWR			1.8:1	
Impedance		50		Ohms
Gain		19		dBi
Front to Back Ratio		25		dB
Input Power			10	Watts

Specifications by Frequency

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	4.9-5.85					GHz
Gain	19					dBi
Horiz. Beam Width	80					Degrees
Vert. Beam Width	23					Degrees
Max Input Power	10					Watts

Mechanical Specifications

Radome Material	ASA
Size	
Length	12.4 in [314.96 mm]
Width	12.4 in [314.96 mm]
Height	1 in [25.4 mm]
Mounting Mast Diameter	0.75 to 2 in [19.05 to 50.80 mm]
Weight	0.038 lbs [17.24 g]



Features:

- MIMO - Multiple-Input and Multiple-Output
- Dual Polarity feed system in single enclosure
- Two integrated diversity antennas
- UV-resistant radome for all-weather operation

Applications:

- 4.9-5.8 GHz Wireless LAN systems
- Supports 1x2, 2x2 MIMO AP/Router
- Supports IEEE 802.11 a/n applications
- WiMAX, WISP, WiFi, Mobile Communication
- Homeland Security and Public Safety band

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Environmental Specifications

Wind Loading 130 MPH [209.21 KPH]

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

Plotted and Other Data

Notes:

4.9-5.8 GHz 19dBi Dual Polarized 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: [4.9-5.8 GHz 19dBi Dual Polarized Panel Antenna FM51FP1011](#)

URL: <https://www.fairviewmicrowave.com/wide-antenna-19-dbi-gain-n-fm51fp1011-p.aspx>

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