

## 900 MHz 8 dBi Flat Patch Antenna

Only 8.5 inches square. This high gain flat patch 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, and LPWAN/IoT/M2M applications.

This antenna's 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.

Custom Connectors are available for this antenna.

### Configuration

Design	Panel
Gain	8 to 8 dBi
Polarization	Vertical or Horizontal
Cable Length	12 in [304.8 mm]
Connector Type	N Female
Number of Ports	1

### Electrical Specifications

Description	Min	Typ	Max	Units
Input VSWR		1.5:1	1.5:1	
Impedance		50		Ohms
Gain		8		dBi

### 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	UV-inhibited Polymer
<b>Size</b>	
Length	8.5 in [215.9 mm]
Width	8.5 in [215.9 mm]
Height	1.2 in [30.48 mm]
Weight	0.425 lbs [192.78 g]
Color	White

### Environmental Specifications

<b>Temperature</b>	
Operating Range	-20 to +60 deg C
Environment	UL-94HB
Wind Loading	150 MPH [241.4 KPH]



### Features:

- Superior performance
- Light weight and only 8.5 inches square
- Durable UV-stable, UL flame rated radome
- Low loss solid brass elements and 12 in. coax lead
- Can be installed for either vertical or horizontal polarization

### Applications:

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

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

**Plotted and Other Data**

Notes:

900 MHz 8 dBi Flat Patch 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: [900 MHz 8 dBi Flat Patch Antenna FM51FP1005](#)

URL: <https://www.fairviewmicrowave.com/single-antenna-8-dbi-gain-n-fm51fp1005-p.aspx>

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