

**4950 MHz to 6500 MHz, Flat panel Antenna,  
 8x8 MIMO, 18 dBi, N Female**
**Description**

Fairview Microwave's FM51FP1017 is a MIMO vertical/horizontal polarized antenna that ships same day from our ISO 9001:2015 certified facility. This 8-port flat panel antenna has an 8-port N-type female connector. The FM51FP1017 is a single-band antenna operating from 4950 to 6500 MHz with 18 dBi gain.

Fairview Microwave's MIMO flat panel antenna with a 4950 to 6500 MHz frequency range has a maximum input VSWR of 2:1.

The FM51FP1017 antenna has a white radome made of aluminum, an overall length of 15.7 in, width of 11.81 in, and weighs 6.61 lbs. Use our on-line ordering system to purchase your FM51FP1017 MIMO flat panel antenna 24 hours a day with same-day shipping and no MOQs (minimum order quantities).

**Configuration**

Design	Flat Panel
Gain	18
Polarization	H/V or 45 Deg. Slant
Connector Type	N Female
Interface 2	N Female
Interface 3	N Female
Interface 4	N Female
Number of Ports	8
Lightning Protection	DC Grounded

**Electrical Specifications**

Description	Min	Typ	Max	Units
Frequency Range	4,950		6,500	MHz
Input VSWR			2:1	
Impedance		50		Ohms
Gain		18		dBi
Isolation		25		dB
Front to Back Ratio		30		dB
Horizontal (Azimuth) Beam Width		60		Degrees
Vertical (Elevation) Beam Width		8		Degrees
Input Power			50	Watts

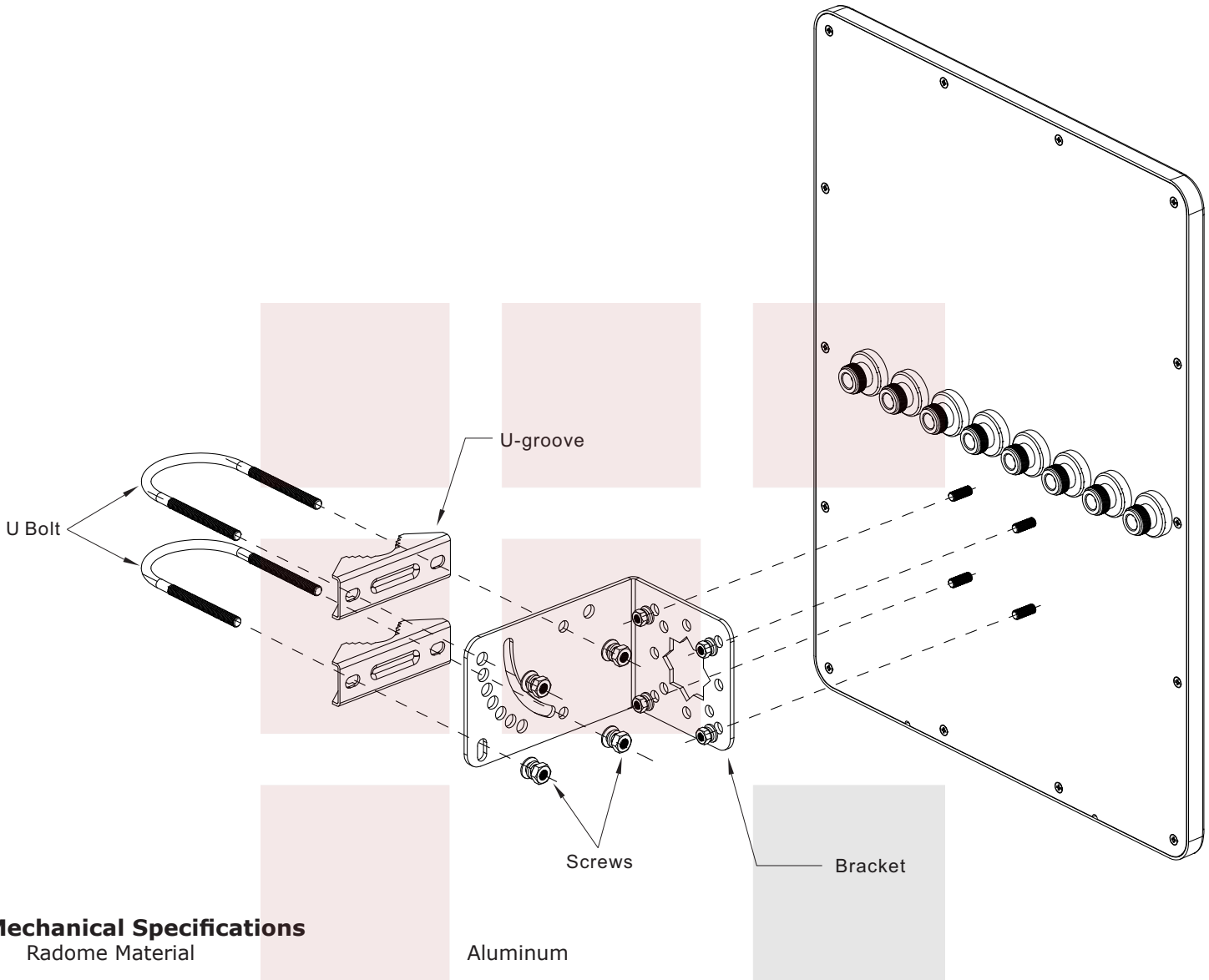

**Features:**

- 8-port Flat panel antenna
- 4950 to 6500 MHz, 18 dBi
- VSWR < 2:1
- All aluminum material
- Dual slant (V/H or ±45°)
- 50 W max input power per port
- 8 x N type female connectors
- DC ground

**Applications:**

- Indoor or outdoor
- Point to point data links (PtP)
- Point to multi-point data links (PtMP)
- Wi-Fi 5, Wi-Fi 6
- Unlicensed 5GHz and 6GHz bands
- 5G bands - n46, n47, n96, n102
- 2x2, 4x4, 8x8 MIMO capability
- High speed internet access

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**Mechanical Specifications**

Radome Material

Aluminum

**Size**

Length	13 in [330.2 mm]
Width	17 in [431.8 mm]
Height	4 in [101.6 mm]
Mounting Mast Diameter	1.1811 to 3.14961 in [30.00 to 80.00 mm]
Weight	6.61 lbs [3 kg]

**Environmental Specifications**

**Temperature**

Operating Range -40 to +70 deg C

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

**Plotted and Other Data**

Notes:

4950 MHz to 6500 MHz, Flat panel Antenna, 8x8 MIMO, 18 dBi, N Female 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: [4950 MHz to 6500 MHz, Flat panel Antenna, 8x8 MIMO, 18 dBi, N Female FM51FP1017](#)

URL: <https://www.fairviewmicrowave.com/18-dbi-flat-panel-antenna-4950-6500-mhz-n-type-connector-fm51fp1017-p.aspx>

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