

900 MHz 6 dBi Yagi Antenna

The Fairview Microwave YE Series are economical high-performance Yagi antennas that combines accurate gain with a wide beam-width and are ideally suited for directional applications in the 900 MHz ISM and GSM bands. This series of Yagi antennas provides the user with anodized aluminum boom, solid elements, low loss series 400 COAX, and rugged mounting hardware.

Configuration

Design	Yagi
Gain	6 to 6 dBi
Polarization	Vertical or Horizontal
Cable Type	400 series
Cable Length	15 in [381 mm]
Connector Type	N Female
Number of Ports	1

Electrical Specifications

Description	Min	Typ	Max	Units
Input VSWR			1.5:1	
Impedance		50		Ohms
Gain		6		dBi
Front to Back Ratio		14		dB
Input Power			100	Watts

Specifications by Frequency

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	0.824-0.96					GHz
Gain	6					dBi
Horiz. Beam Width	100					Degrees
Vert. Beam Width	60					Degrees
Max Input Power	100					Watts

Mechanical Specifications

Radome Material	ABS
Size	
Length	17.6 in [447.04 mm]
Width	6.9 in [175.26 mm]
Height	2 in [50.8 mm]
Mounting Mast Diameter	2 in [50.80 mm]
Weight	0.6 lbs [272.16 g]

Environmental Specifications

Temperature	
Operating Range	-40 to +85 deg C
Wind Loading	135 MPH [217.26 KPH]



Features:

- 6 dBi gain & all weather Anodized Aluminum construction
- Can be installed for either vertical or horizontal polarization
- Solid Aluminum 1/8" elements
- Heavy-duty 1/2" Aluminum boom
- 15 inch coax lead & 1/8" thick plated steel mounting plate

Applications:

- 900MHz ISM Band & Wireless LAN systems
- Point to multipoint & Non Line of Sight (NLOS) applications
- 900MHz Cellular and GSM
- RFID & SCADA
- LPWAN, LoRA, IoT, M2M

Fairview Microwave
301 Leora Ln., Suite 100
Lewisville, TX 75056
Tel: 1-800-715-4396 / (972) 649-6678
Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

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

Plotted and Other Data

Notes:

900 MHz 6 dBi Yagi 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 6 dBi Yagi Antenna FM51YA1008](#)

URL: <https://www.fairviewmicrowave.com/wide-antenna-6-dbi-gain-n-fm51ya1008-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.

