

13 dBi Yagi Yagi Antenna 880-960 MHz N Type Connector

The Fairview Microwave 880 MHz to 960 MHz FM51YA1016 Yagi Antenna ships the same day and is designed for the most rugged conditions. This 900 MHz antenna provides 13 dBi of gain and adjustable polarization. Equipped with an N-Female connector on a 36 in LMR400 pigtail, coaxial connections to a radio are simple and easy. The FM51YA1016 is ideally suited for 900 MHz ISM bands. This 13 dBi antenna supports Land Mobile Radio for land transportation, utility, manufacturing, and petrochemical companies (oil and gas).

Measuring 43 inches long, the N-female FM51YA1016 from Fairview Microwave is manufactured using robust 5/16" aircraft quality aluminum elements. The FM51YA1016 elements are completely welded to a 1" boom and painted black. This ensures performance and survivability in the toughest environments.

880 MHz to 960 MHz Yagi antennas from Fairview Microwave are high-quality components backed by expert technical support and sales personnel. Like the other RF components at Fairview Microwave, the 13 dBi FM51YA1016 is in stock and ready to ship the same day.

Configuration

Design	Yagi
Gain	12.5 to 13 dBi
Polarization	Linear
Cable Type	LMR400
Cable Length	36 in [914.4 mm]
Connector Type	N Female
Number of Ports	1

Electrical Specifications

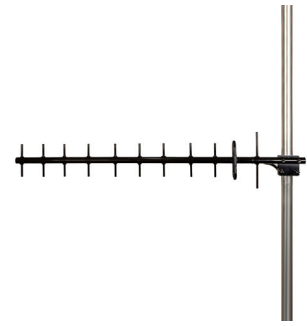
Description	Min	Typ	Max	Units
Frequency Range	880		960	MHz
Input VSWR		1.3:1	1.5:1	
Impedance		50		Ohms
Gain		13		dBi
Input Power			150	Watts

Specifications by Frequency

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	0.88-0.928	0.928-0.96				GHz
Gain	12.5	13				dBi
Horiz. Beam Width	42	40				Degrees
Vert. Beam Width	38	35				Degrees
VSWR	1.5:1	1.5:1				

Mechanical Specifications

Housing Material	Aluminum
Housing Plating/Color	Powder Coat



Features:

- Aircraft Quality 6061-T6 Aluminum with 5/16" Elements with 360° Fully Welded to a 1" Boom
- Powder-Coated Black for Corrosion, Fade, and Ice-Build Up Resistance
- Can be Installed for Either Vertical or Horizontal Polarization
- Comes with 36" LMR400 Pigtails with N-Type Female Connectors

Applications:

- 900 MHz Cellular and GSM
- 900 MHz ISM Band & Wireless LAN Systems
- Point to Multipoint & Non Line of Sight
- NLOS Applications
- RFID & SCADA
- LPWAN, LoRA, IoT, M2M

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Size

Length	43 in [109.22 cm]
Width	7.1 in [180.34 mm]
Height	2.4 in [60.96 mm]
Mounting Mast Diameter	0.75 to 2 in [19.05 to 50.80 mm]
Weight	1.68 lbs [762.04 g]

Environmental Specifications

Temperature

Operating Range	-40 to +60 deg C
Storage Range	-40 to +140 deg C

Wind Loading	200 MPH [321.87 KPH]
Ingress Protection	IP55

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

Plotted and Other Data

Notes:

13 dBi Yagi Yagi Antenna 880-960 MHz N Type Connector 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: [13 dBi Yagi Yagi Antenna 880-960 MHz N Type Connector FM51YA1016](#)

URL: <https://www.fairviewmicrowave.com/single-antenna-880-960-mhz-13-dbi-gain-n-fm51ya1016-p.aspx>

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