

8 dBi Omni Antenna 900-928 MHz, N Type Female Fiberglass Radome, 1.6:1 Typ VSWR

The 900 MHz UP-series are lightweight, low profile, high performance Omni-directional antennas designed for the 900 MHz ISM band. They are ideally suited for multipoint, Non Line of Sight (NLOS) and mobile applications where compact form factor, high gain and wide coverage is desired. Typical applications for these antennas include 900 MHz Wireless LAN, SCADA, Wireless Video Links, M2M, LPWAN, LoRA and M2M applications. The UP-series antennas feature an integral N-Female type connector and include a mast mounting kit. The kit consists of an extruded aluminum bracket and a pair of U-bolts which allows installation on masts up to 2.0" in diameter. To ease installation, the bracket can be installed first without the antenna which can then be mounted after the bracket is installed. The UP-series antennas feature a slim 20 mm diameter white UV-stable fiberglass radome providing durability. Additionally, these antennas are designed with a sealed aluminum end cap and includes drain holes at the aluminum base to help prevent condensation build-up inside the antenna providing trouble-free performance.

Configuration

Design	Omni
Gain	8
Polarization	Vertical
Connector Type	N Female
Number of Ports	1

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	900		928	MHz
Input VSWR		1.6:1	1.6:1	
Impedance		50		Ohms
Gain		8		dBi
Horizontal (Azimuth) Beam Width		360		Degrees
Vertical (Elevation) Beam Width		15		Degrees
Input Power			50	Watts

Mechanical Specifications

Radome Material	Fiberglass
Size	
Length	57.3 in [145.54 cm]
Width	0.79 in [20.07 mm]
Height	0.79 in [20.07 mm]
Mounting Mast Diameter	2 in [50.80 mm]
Weight	1.112 lbs [504.39 g]

Environmental Specifications

Temperature	
Operating Range	-40 to +60 deg C
Wind Loading	130 MPH [209.21 KPH]



Features:

- Superior all weather performance
- Rugged industrial grade design
- Lightweight slim fiberglass radome
- Integral N-Female connector
- Extruded aluminum mounting bracket

Applications:

- 902 MHz ISM band and Wireless LAN systems
- Multipoint applications
- Non Line of Sight (NLOS)
- M2M, LPWAN, LoRA, IoT applications
- SCADA applications

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

Plotted and Other Data

Notes:

8 dBi Omni Antenna 900-928 MHz, N Type Female Fiberglass Radome, 1.6:1 Typ VSWR 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: [8 dBi Omni Antenna 900-928 MHz, N Type Female Fiberglass Radome, 1.6:1 Typ VSWR FM510M1019](#)

URL: <https://www.fairviewmicrowave.com/8-dbi-omni-antenna-900-928-mhz-n-tyfm-female-1.6-1-ty-p-vswr-fm510m1019-p.aspx>

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