

## 800/900 MHz 10 dBi Dual Slant Polarization Omni antenna

Dual-port omnidirectional antenna for 900 MHz point to multipoint applications. This antenna provides high performance for a variety of wireless applications in the 900 MHz band including WLAN, WPLAN, IoT, M2M and cellular.

### Configuration

Gain	8.5 to 8.5 dBi
Polarization	Vertical/Horizontal
Cable Type	Coax lead
Connector Type	N Female
Connector Type Specification	Integral
Interface 2	N Female
Interface 2 Specification	Integral
Number of Ports	2

### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	824		928	MHz
Input VSWR			1.7:1	
Impedance		50		Ohms
Gain		8.5		dBi
Input Power			100	Watts

### Specifications by Frequency

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	0.824-0.928	0.9-0.928				GHz
Gain	8.5	10				dBi
Horiz. Beam Width	360	360				Degrees
Vert. Beam Width	15	15				Degrees
VSWR	1.7:1	1.5:1				
Max Input Power	100	100				Watts

### Mechanical Specifications

Radome Material	Fiberglass
<b>Size</b>	
Length	47.8 in [121.41 cm]
Width	9.8 in [248.92 mm]
Height	9.8 in [248.92 mm]
Mounting Mast Diameter	1.2 to 4.7 in [30.48 to 119.38 mm]
Weight	0.049 lbs [22.23 g]

### Environmental Specifications

<b>Temperature</b>	
Operating Range	-40 to +65 deg C
Wind Loading	130 MPH [209.21 KPH]
Ingress Protection	IP55



### Features:

- High gain (10 dBi) 900 MHz dual port omni
- Dual slant polarization ( $\pm 45^\circ$ )
- Heavy duty steel mounting bracket
- 1 degree electrical down tilt
- Integral N-female connectors

### Applications:

- WLAN, LPLAN, SCADA, IoT, M2M, cellular, MIMO
- Outdoor installations
- Point-to-multipoint

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](http://www.fairviewmicrowave.com)  
[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

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

**Plotted and Other Data**

Notes:

800/900 MHz 10 dBi Dual Slant Polarization Omni 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: [800/900 MHz 10 dBi Dual Slant Polarization Omni antenna FM510M1021](#)

URL: <https://www.fairviewmicrowave.com/dual-antenna-824-928-mhz-8.5-dbi-gain-n-fm510m1021-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.

