

9-9 dBi Omni Antenna 2.4-2.5 GHz, 5.725-5.85 GHz, N Type Female Fiberglass Radome, 1.6:1 Max VSWR

The Fairview Microwave FM510M1005 is a professional high gain dual band omnidirectional base station Wi-Fi antenna designed and optimized for the 2.4 and 5.8GHz frequency. This antenna is ideally suited for multipoint applications where long range and wide coverage is desired.

The FM510M1005 construction features a heavy-duty fiberglass radome for durability and aesthetics. Designed to operate in the harshest of environments, the HG2458-09U-PRO far exceeds other omnidirectional antennas. The included mounting system features twin heavy-duty mounting brackets and u-bolts for superior strength.

Configuration

Design	Omni
Gain	9 to 9 dBi
Polarization	Vertical
Connector Type	N Female
Number of Ports	1
Lightning Protection	DC Short

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	2,400		5,850	MHz
Input VSWR			1.6:1	
Impedance		50		Ohms
Gain		9		dBi
Isolation	28			dB
Downtilt			0	
Degrees				
Input Power			100	Watts

Specifications by Frequency

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	2.4-2.5	5.725-5.85				GHz
Gain	9	9				dBi
Horiz. Beam Width	360	360				Degrees
Vert. Beam Width	10	11				Degrees
Max Input Power	100	100				Watts

Mechanical Specifications

Radome Material: Fiberglass

Size

Radome Diameter	2.04 in [51.82 mm]
Length	50.9 in [129.29 cm]
Width	2.3 in [58.42 mm]
Height	2.3 in [58.42 mm]



Features:

- Heavy duty industrial grade design
- Fiberglass radome
- All weather operation
- Twin heavy duty steel mounting brackets and u-bolts
- Integral N-Female connector

Applications:

- 2.4/5.8 GHz IEEE 802.11a/b/g and 802.11ac applications
- 2.4GHz Wi-Fi applications
- 5.8 GHz UNII and ISM applications
- Wireless video systems
- Point-to-multipoint applications

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Mounting Mast Diameter 1.2 to 2.4 in [30.48 to 60.96 mm]
Weight 2.264 lbs [1.03 kg]

Environmental Specifications

Temperature

Operating Range -40 to +85 deg C

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

Plotted and Other Data

Notes:

9-9 dBi Omni Antenna 2.4-2.5 GHz, 5.725-5.85 GHz, N Type Female Fiberglass Radome, 1.6:1 Max 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: [9-9 dBi Omni Antenna 2.4-2.5 GHz, 5.725-5.85 GHz, N Type Female Fiberglass Radome, 1.6:1 Max VSWR FM510M1005](#)

URL: <https://www.fairviewmicrowave.com/9-dbi-omni-antenna-2.4-2.5-ghz-5.725-5.85-ghz-n-tyfm-female-1.6-1-max-vswr-fm510m1005-p.aspx>

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