

2.4 GHz 8.5 dBi Omnidirectional Antenna - N-Male Connector

HG2409U

Features

- Can be installed in up or down positions
- Durable UV-stable fiberglass radome for all weather operation
- Vented end cap and drain holes in base for all weather operation
- Integral N-Male connector
- Optional antenna mounts available

Applications

- Bluetooth® & Public Wireless Hotspot
- 2.4 GHz ISM Band
- Supports IEEE 802.11b/g/n applications
- WiFi and 2.4 GHz wireless video systems

Description

The HyperGain HG2409U is a high performance omnidirectional WiFi antenna designed for the 2.4 GHz ISM band and 2.36 GHz CDMA band. This compact and lightweight antenna is ideally suited for IEEE 802.11b, 802.11g and 802.11n wireless LANs, public wireless hotspots, Bluetooth® and other multipoint and mobile applications where high gain and wide coverage is desired. Constructed for all weather operation, the HG2409U features sealed collinear brass elements inside a durable UV-stable machine gray fiberglass radome. A vented end cap and drain holes in the base help prevent moisture build-up inside the antenna. These features allow the HG2409U to be mounted in up or down positions. Optional HMA3 Domed Magnetic Mount. 2-5/8 Inch Diameter Base (66.8mm).

Configuration

Design	Omni
Application Band	WLAN
Band Type	Single
Radiation Pattern	Omni Directional
Polarization	Vertical
Connector Type	N Male
Number of Ports	1

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	2,360		2,500	MHz
Input VSWR			2:1	
Impedance		50		Ohms
Gain		8.5		dBi
Input Power			100	Watts

Specifications by Band

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[2.4 GHz 8.5 dBi Omnidirectional Antenna - N-Male Connector HG2409U](#)

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Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	2.36 to 2.5					GHz
Gain	8.5					dBi
Horizontal HPBW	360					Degrees
Vertical HPBW	15					Degrees
Maximum Input Power	100					Watts

Mechanical Specifications

Radome Material	Fiberglass
Size	
Base Diameter	1.24 in [31.5 mm]
Radome Diameter	0.73 in [18.54 mm]
Length	20.4 in [518.16 mm]
Width	1.27 in [32.26 mm]
Height	1.27 in [32.26 mm]
Weight	0.5 lbs [226.8 g]

Environmental Specifications

Temperature	
Operating Range	-40 to +85 deg C
Wind Survivability	150 MPH [241.4 KPH]

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

Plotted and Other Data

Notes:

2.4 GHz 8.5 dBi Omnidirectional Antenna - N-Male Connector from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

The information contained within 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 impliment improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.