

800/900 MHz 10 dBi Dual Slant Polarization Omni antenna N-female

HG9010DPU



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

Description

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

Application Band	WLAN WPLAN IoT M2M Cellular
Band Type	Dual
Radiation Pattern	Omni Directional
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	Minimum	Typical	Maximum	Units
Frequency Range	824		928	MHz
Input VSWR			1.7:1	
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:
[800/900 MHz 10 dBi Dual Slant Polarization Omni antenna N-female HG9010DPU](#)

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Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	0.824-0.928	0.9-0.928				GHz
Center Frequency	876					MHz
Gain	8.5	10				dBi
Horizontal HPBW	360	360				Degrees
Vertical HPBW	15	15				Degrees
Cross Polar Ratio	8	8				
Port Isolation	20	30				dB
VSWR Max	1.7:1	1.5:1				
Maximum Input Power	100	100				Watts

Mechanical Specifications

Radome Material	Fiberglass
Size	
Length	9.8 in [248.92 mm]
Width	9.8 in [248.92 mm]
Height	50.4 in [128.02 cm]
Mounting Mast Diameter	1.2 to 4.7 in [30.48 to 119.38 mm]
Weight	39.6 lbs [17.96 kg]

Environmental Specifications

Temperature	
Operating Range	-40 to +65 deg C
Wind Survivability	130 MPH [209.21 KPH]
Ingress Protection	IP55

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

Plotted and Other Data

Notes:

800/900 MHz 10 dBi Dual Slant Polarization Omni antenna N-female 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.

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L-com CAD Drawing

