

4.9-5.8 GHz, 17 dBi Dual Polarity Yagi MIMO Antenna, N Male Connector

HG4958DP-17Y-NM



Features

- Dual Polarity Feed System in Single Enclosure
- Two Integral N-Male Connectors
- UV-Resistant Radome for All-Weather Operation
- MIMO-Multiple-Input and Multiple-Output

Applications

- 4.9/5.1/5.3/5.4/5.8 GHz Wireless LAN Systems
- Supports IEEE 802.11 a/n Applications
- WiMAX, WISP, WiFi, Mobile Communication
- Homeland Security and Public Safety Band
- MIMO PtMP 1x2, 2x2 Base Station

Description

The L-com HG4958DP-17Y Yagi Antenna is available for same day shipping. This Yagi Antenna with N male connectors combines vertical and horizontal polarization with high gain over a broadband frequency in a single enclosure. It is a professional quality antenna designed primarily for MIMO point-to-multipoint applications in the 4.9 GHz to 5.8 GHz frequency bands.

This 17 dBi antenna incorporates advanced dual polarization technology that allows for the interoperability of two radio transmit and receive paths. This technology allows for the attenuation of unwanted signals from adjacent channels and/or co-located equipment.

Rugged and Weatherproof

This antenna features a heavy-duty UV-resistant plastic radome for all-weather operation. The HG4958DP-17Y antenna is supplied with a stainless steel tilt and swivel mast mount kit. This allows installation at various degrees of up/down tilt for easy alignment.

Configuration

Design	Yagi
Band Type	Wide
Radiation Pattern	Directional
Polarization	Vertical/Horizontal
Connector Type	N Male
Interface 2	N Male
Number of Ports	2
Lightning Protection	DC Ground

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	4.9		5.85	GHz
Input VSWR			1.5:1	
Impedance		50		Ohms
Gain		17		dBi
Front to Back Ratio		18		dB
Input Power			50	Watts

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[4.9-5.8 GHz, 17 dBi Dual Polarity Yagi MIMO Antenna, N Male Connector HG4958DP-17Y-NM](#)

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Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	4,900-5,850					MHz
Gain	17					dBi
Horizontal HPBW	22					Degrees
Vertical HPBW	23					Degrees
Maximum Input Power	50					Watts

Mechanical Specifications

Radome Material	ABS
Size	
Length	13.9 in [353.06 mm]
Width	4.57 in [116.08 mm]
Height	2.56 in [65.02 mm]
Weight	0.73 lbs [331.12 g]

Environmental Specifications

Wind Survivability	130 MPH [209.21 KPH]
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

4.9-5.8 GHz, 17 dBi Dual Polarity Yagi MIMO 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 implement 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.

L-com CAD Drawing

