

5150 MHz to 5850 MHz V/H Dual Polarization Flat Panel,  
18 dBi gain, Ruggedized, 2 X N Female Connectors



## HG5158DP-18

### Features

- Dual Polarity feed system in single enclosure
- Includes tilt and swivel mast mounting
- Two integral N-Female connectors
- UV-resistant radome for all-weather operation
- MIMO - Multiple-Input and Multiple-Output

### Applications

- 5.3 GHz, 5.4 GHz and 5.8 GHz Band Applications
- IEEE 802.11a Wireless LAN
- 5.8GHz UNII and ISM Applications
- Unlicensed European 5.4 GHz Band Applications
- WiMAX Technology
- Wi-Fi Systems
- 5.8 GHz Wireless Video Systems

### Description

The L-com HG5158DP-18 is a high performance flat panel antenna engineered for superior performance and specifically designed for rugged environments with a low profile aesthetically pleasing design. L-com's HG5158DP-18 has 18 dBi gain. Measuring 10" x 10" this antenna is extremely compact and toughened to stand up to all environments. The HG5158DP-18 operates from 5150 to 5850 MHz which is ideal for Point to Point applications where form factor is a concern.

The HG5158DP-18 from L-com has 17° Horizontal Beamwidth and 17° Vertical Beamwidth patterns with Vertical + Horizontal polarization and features 2 x Type N Female connectors. The 5150-5850 MHz HG5158DP-18 is rugged and weatherproof. The 2-port flat panel antenna features a heavy-duty UV-resistant plastic radome for all-weather operation.

The 2 x Type N Female connectorized HG5158DP-18 antenna from L-com has mounting bracket and hardware included which makes this antenna very easy to install. This high performance flat panel antenna engineered for superior performance antenna just like our wide selection of superior quality RF parts, ship same day. Contact our knowledgeable and friendly technical support and sales staff for your answers on antennas or other L-com products.

### Configuration

Design	Flat Panel
Band Type	Single
Radiation Pattern	Directional
Polarization	Vertical/Horizontal
Connector Type	N Female
Number of Ports	2

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	5.15		5.85	GHz
Input VSWR			2:1	
Impedance		50		Ohms
Gain		18		dBi
Front to Back Ratio	30			dB

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:  
[5150 MHz to 5850 MHz V/H Dual Polarization Flat Panel, 18 dBi gain, Ruggedized, 2 X N Female Connectors HG5158DP-18](#)

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## HG5158DP-18

Port to Port Isolation	28		dB
Input Power		20	Watts

### Mechanical Specifications

Radome Material	UV Resistant ABS
<b>Size</b>	
Length	9.8 in [248.92 mm]
Width	1.6 in [40.64 mm]
Height	9.8 in [248.92 mm]
Mounting Mast Diameter	1.57 to 1.97 in [39.88 to 50.04 mm]
Weight	2.42 lbs [1.1 kg]

### Environmental Specifications

<b>Temperature</b>	
Operating Range	-40 to +70 deg C
Wind Survivability	124.27 MPH [199.99 KPH]
Humidity	5 to 95

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

### Plotted and Other Data

Notes:

5150 MHz to 5850 MHz V/H Dual Polarization Flat Panel, 18 dBi gain, Ruggedized, 2 X N Female Connectors 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.

L-com CAD Drawing

