

3300 MHz to 4200 MHz VH Dual Polarization Flat Panel,
14 dBi gain, Ruggedized, 2 X N Female Connectors



HG3514DP

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

- 3.5 GHz Band Applications
- SOFDMA
- CBRS and Extended CBRS
- Wireless Internet Provider “cell” sites
- Wireless LAN systems & IEEE 802.16e Applications

Description

The L-com HG3514DP 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 HG3514DP has 14 dBi gain. Measuring 7.5” x 7.5” this antenna is extremely compact and toughened to stand up to all environments. The HG3514DP operates from 3500 to 4200 MHz which is ideal for Point to Point applications where form factor is a concern and coverage of extended CBRS is necessary.

The HG3514DP from L-com has 45° Horizontal Beamwidth and 40° Vertical Beamwidth patterns with Vertical + Horizontal polarization and features 2 x Type N Female connectors. The 3500-4200 MHz HG3514DP can be used with APs and Routers with 1 or 2 antenna ports. This antenna incorporates advanced dual polarization technology that allows for the interoperability of two radios transmit and receive paths. This technology allows for the attenuation of unwanted signals from adjacent channels and/or co-located equipment.

The 2 x Type N Female connectorized HG3514DP antenna from L-com has mounting bracket and hardware included which makes this antenna very easy to install. This high performance flat panel 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	3.3		4.2	GHz
Input VSWR			2:1	
Impedance		50		Ohms
Gain		15		dBi
Front to Back Ratio	25			dB

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications:
[3300 MHz to 4200 MHz VH Dual Polarization Flat Panel, 14 dBi gain, Ruggedized, 2 X N Female Connectors HG3514DP](#)

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HG3514DP

Port to Port Isolation	25		dB
Horizontal Beamwidth	40	50	Degrees
Vertical Beamwidth	35	45	Degrees
Input Power		20	Watts

Mechanical Specifications

Radome Material	UV Resistant ABS
Size	
Length	7.4 in [187.96 mm]
Width	2.1 in [53.34 mm]
Height	7.4 in [187.96 mm]
Mounting Mast Diameter	1.57 to 1.97 in [39.88 to 50.04 mm]
Weight	1.98 lbs [898.11 g]

Environmental Specifications

Temperature	
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:

3300 MHz to 4200 MHz VH Dual Polarization Flat Panel, 14 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

