

2.4 GHz to 2.5 GHz / 4.9 GHz to 5.8 GHz 10 dBi Dual Band Vertically Polarized Flat Panel Antenna N Type Female Connector, Black



## HG2458-10DP-BLK

### Features

- Durable UV-stable, UL flame rated radome with integral mounting flanges
- Optional tilt-and-swivel pole mount kit available
- Multi-band operation: 2.4 GHz and 4.9 GHz to 5.8 GHz

### Applications

- 2.4 GHz and 5.8 GHz wireless video systems
- 2.4/4.9/5.1/5.3/5.4/5.8 GHz Wireless LAN systems
- Homeland security and public safety services
- Ideal for Multi-Band MIMO radios (802.11a, 802.11b, 802.11g, 802.11n and 802.11ac)
- IEEE 802.11a/b/g/n and 802.11ac applications

### Description

The L-com HG2458-10DP-BLK is a high performance multi-band directional flat panel antenna designed with vertically polarized internal antennas elements fed via one N-Type Female connector. Suitable for indoor and outdoor applications in the 2.4 GHz (2400 to 2500 MHz) and 4.9-5.8 GHz (4900 to 5850 MHz) band, the multi-band design of this antenna eliminates the need to purchase different antennas for each frequency. This simplifies installations since the same antenna can be used for a wide array of wireless applications. The HG2458-10DP-BLK is designed primarily for MIMO point-to-multipoint and point-to-point applications. The unit can be used with APs and Routers with 1 or 2 antenna ports.

The HG2458-10DP-BLK from L-com is lightweight and features a durable aesthetic UV-stable, UL flame rated white plastic radome which can also be painted to match the room or building structure. Integral mounting flanges ease installation.

This WLAN 2.4 GHz to 5.8 GHz 10 dBi patch panel antenna with Female Type N connector, as well as our wide selection of superior quality RF parts, ships same day. Contact our knowledgeable and friendly technical support and sales staff for your answers on antennas or other L-com products.

### Configuration

Design	Portable
Band Type	Multi
Polarization	Vertical
Connector Type	N Female
Lightning Protection	DC Ground

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	2.4		5.85	GHz
Input VSWR			2:1	
Impedance		50		Ohms
Gain		10		dBi
Front to Back Ratio		15		dB
Horizontal (Azimuth) HPBW		74		Degrees
Vertical (Elevation) HPBW		65		Degrees

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 to 2.5 GHz / 4.9 GHz to 5.8 GHz 10 dBi Dual Band Vertically Polarized Flat Panel Antenna N Type Female Connector, Black HG2458-10DP-](#)

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## HG2458-10DP-BLK

Input Power 50 Watts

### Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	2,400-2,500	4,900-5,850				MHz
Horizontal HPBW	74	60				Degrees
Vertical HPBW	65	37				Degrees

### Mechanical Specifications

#### Environmental Specifications

##### Temperature

Operating Range

-30 to +60 deg C

Wind Survivability

210 MPH [337.96 KPH]

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

#### Plotted and Other Data

Notes:

2.4 GHz to 2.5 GHz / 4.9 GHz to 5.8 GHz 10 dBi Dual Band Vertically Polarized Flat Panel Antenna N Type Female Connector, Black 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.