

## 2.4GHz GHz 3 dBi Spatial Diversity MIMO Ceiling Mount OMNI Antenna with 3 Elements and 3 Connectors Model HG2403-SDC

### Applications and Features

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**Applications:**

- Simultaneous coverage 802.11b/g/n
- Wireless LAN and WiFi Systems
- Custom applications for a small, high performance Ceiling Antenna
- Access Points and Routers with Diversity
- Indoor Wireless Hotspot

**Features:**

- Spatial Diversity, MIMO Technique
- Compact Ceiling Mount design
- Suitable for Indoor Use
- Durable UV-stable white ABS radome
- DC Ground Antenna
- Multiple connector options
- RoHS Compliant



### Description

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The L-com HG2403-SDC 2.4 GHz MIMO antenna features 3 independent antenna elements in a single package. The antenna is Omni-directional for improved coverage in large areas. The unit is designed for use with Access Points and Routers with up to three (3) antenna ports for spatial diversity. The spatially diverse elements allow the radios to select the antennas with the best signal quality. It is ideally suited for office, public hotspot, industrial or warehouse use. The antenna is lightweight and features an aesthetic UV-stable, white ABS UL Flame Rated radome.

Designed for indoor operations, the HG2403-SDC features a compact radome permitting mounting in many areas where space is at a premium for the antenna and easily installs in many different types of ceilings found in today's offices and factories. This allows the antenna to be positioned for optimal performance. The HG2403-SDC has great appeal where broad area coverage is demanded. in offices, health facilities, educational settings, industrial sites, and retail complexes to name just a few.

The antenna cables are hidden when mounted in the ceiling via the threaded mounting post built into the antenna base plate. As with many L-com antennas, custom connector versions of the antenna are available.

## Specifications

### Electrical

<b>Frequency</b>	2400-2500 MHz
<b>Gain ( dBi )</b>	2.5 dBi
<b>Polarization</b>	Vertical
<b>Vertical Beamwidth</b>	65°
<b>Horizontal Beamwidth</b>	360° Omni-directional
<b>Max. Input Power</b>	50W
<b>Impedance</b>	50 Ohms
<b>VSWR</b>	≤1.8
<b>Lightning Protection</b>	DC Ground

### Mechanical

<b>Output Connectors</b>	3-Connectors on 18-inch Coax Cable Lead
<b>Mounting</b>	Threaded post on Back Plate
<b>Radome</b>	UV-Inhibited ABS, UL Flame Rated
<b>Operating Temperature</b>	-40° C to 55° C (-40° F to 131° F)
<b>Dimensions</b>	5.8 X 2.4 inch (148 x 60 mm)
<b>Weight - Antenna</b>	0.9 lbs. (0.4 Kg)
<b>Rated Wind Velocity</b>	N/A-Rated for Indoor Use
<b>RoHS Compliant</b>	Yes

### Antenna Models

ANTENNA MODEL	CONNECTOR OPTIONS
<b>HG2403-SDC-3NF</b>	3-Coax 18" Cables with N-Female Connectors
<b>HG2403-SDC-3NM</b>	3-Coax 18" Cables with N-Male Connectors
<b>HG2403-SDC-3RSP</b>	3-Coax 18" Cables with RP SMA Plug Connectors
<b>HG2403-SDC-3RTP</b>	3-Coax 18" Cables with RP TNC Plug Connectors
<b>Special Orders</b>	Call for Connector Options

### Antenna Gain Patterns

