

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

### Applications and Features

#### 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

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

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

### Mechanical

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

### Antenna Models

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

### Antenna Gain Patterns

