

## HyperLink Wireless 2.4/5.8 GHz 3 dBi Spatial Diversity MIMO Ceiling Antenna Model: HG2458-3SDC-3

### Applications

- IEEE 802.11a/b/g/n and 802.11ac applications
- Coverage of 2.4GHz /5GHz WiMAX
- Use in 2.4GHz/5GHz WLAN systems
- Access points and routers with diversity
- Indoor wireless hotspot

### Features

- Space Diversity, MIMO Technique
- Compact Ceiling Mount design
- Suitable for Indoor Use
- Durable UV-stable white ABS radome
- Multiple connector options



### Description

The HyperLink Wireless HG2458-3SDC-3 series 2.4/5.8 GHz MIMO antennas feature three 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 antenna ports for spatial diversity. The spatially diverse elements allow the radios to select the antennas with the best signal quality.

Designed for indoor operations, the HG2458-3SDC-3 features a compact radome permitting mounting in many areas where space is at a premium for the antenna. This allows the antenna to be positioned for optimal performance. The HG2458-3SDC-3 has great appeal for office, health facilities, educational settings, industrial sites, and retail complexes, all where broad area coverage is demanded. In addition to being compatible with IEEE 802.11a/b/g/n applications, the HG2458-3SDC-3 can be used with IEEE 802.11ac applications which provides up to 1 Gbps wireless transmissions as well as 80 MHz channel bandwidth.

The lightweight and aesthetically pleasing UV-stable white ABS UL flame rated radome easily installs in many different types of ceilings found in today's offices and factories. The antenna cables are hidden when the mounted in the ceiling via the threaded mounting post built into the antenna base plate.



**Specifications**

**Mechanical Specifications**

<b>Output Connectors</b>	Three (3) each on 11-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 65° C (-40° F to 149° F)
<b>Dimensions</b>	5.9 X 2.4 inch (150 x 60 mm)
<b>Weight - Antenna</b>	1.2 lbs. (0.5 Kg)
<b>Rated Wind Velocity</b>	130 mph (210km)
<b>RoHS Compliant</b>	Yes

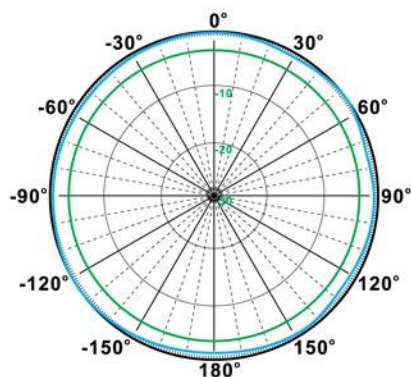
**Electrical Specifications**

<b>Frequency</b>	2400-2500 MHz /5150-5850 MHz
<b>Gain ( dBi )</b>	2.5 dBi / 4 dBi
<b>Polarization</b>	Vertical
<b>Vertical Beamwidth</b>	56° / 43°
<b>Horizontal Beamwidth</b>	360° Omni-directional
<b>Max. Input Power</b>	100W
<b>Impedance</b>	50 Ohms
<b>VSWR</b>	≤1.5
<b>Lightning Protection</b>	DC Ground

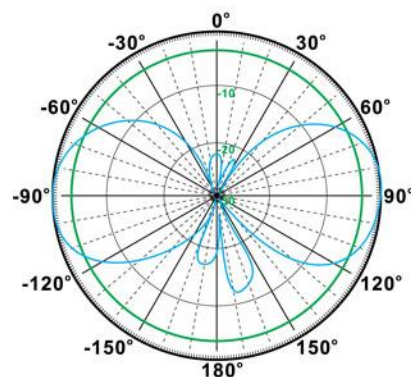
**Electrical Specifications**

ANTENNA MODEL	CONNECTOR OPTIONS
HG2458-3SDC-3NF	3-Coax 11" Cables with N-Female Connectors
HG2458-3SDC-3NM	3-Coax 11" Cables with N-Male Connectors
HG2458-3SDC-3RSP	3-Coax 11" Cables with RP SMA Plug Connectors
HG2458-3SDC-3RTP	3-Coax 11" Cables with RP TNC Plug Connectors

**RF Antenna Patterns**



H-Plane



V-Plane