

2.4 GHz 5 dBi Wide Beam (135°) Panel Antenna Model HG2405P-135

HG2405P-135

Applications and Features

- Applications:**
- 2.4 GHz ISM Band
 - IEEE 802.11b and 802.11g Wireless LAN
 - Wide Angle Coverage
 - Public Wireless Hotspot
 - WiFi
 - Custom applications for small, high performance Antenna
- Features:**
- Superior performance and quality
 - Low Cost
 - Compact size, 3.2" X 6.2" X 2.2"
 - Durable UV-stable white ABS radome
 - DC Ground lightning protecting
 - Multiple connector and cable options
 - Can be installed for either vertical or horizontal polarization
 - RoHS Compliant



Description

This compact 2.4 GHz WiFi antenna provides 5 dBi Gain with broad horizontal beam width of 135 degrees. It is ideally suited for applications requiring coverage of a wide area like an office, public hotspot, Industrial or warehouse use. This antenna is lightweight and features an aesthetic UV-stable, white ABS UL Flame Rated radome and can also be painted to match the room or building structure. The HG2405P-135 can be installed for horizontal or vertical polarization. This is a versatile, adaptive antenna package with many application possibilities for the System Designer.

Designed for indoor operations, the HG2405P-135 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. It can be sites to provide wide beam coverage in situations where space is at a premium. The HG2405P-135 can be mounted to walls, system racks and panels, metal panels and other structures using standard hardware.

The HG2405P-135 has great appeal for office, health facilities, educational settings, industrial sites, and retail complexes, all where broad area coverage is demanded. This antenna offers the Systems Designer an alternative to wall mounting Omni-directional antennas thus eliminating many multi-path issues for the system. Antennas can be co-located near each other to provide further saturation coverage of an area, important in RFID applications. Corner positioning can give the system a full 270° of coverage, with little concern for multi-path issues.

Specifications

Electrical Specifications

Frequency	2400-2500 MHz
Gain (dBi)	5 dBi
Polarization	Vertical or Horizontal
Vertical Beamwidth	55°
Horizontal Beamwidth	135°
Max. Input Power	25W
Impedance	50 Ohms
VSWR	1.5:1
Lightning Protection	DC Ground

Mechanical Specifications

Output Connector	To Be Specified by Customer
Mounting	Four (4) direct mount screw holes
Radome	UV-Inhibited ABS, UL Flame Rated
Operating Temperature	-40° C to 55° C (-40° F to 131° F)
Dimensions	3.2" X 6.2" X 2.2" (81.3 x 157.5 x 55.9 mm)
Weight - Antenna	0.2 lbs. (0.12 Kg)
Rated Wind Velocity	150MPH/h (241Km/h)
RoHS Compliant	Yes

Antenna Models

ANTENNA MODEL	CONNECTOR OPTION/CABLE LENGTH
HG2405P-135-NF	N-Female with 12 inch 195 Series Cable
HG2405P-135-NM	N-Male with 4 foot 195 Series Cable
HG2405P-135-RSP	RP SMA Plug with 4 foot 195 Series Cable
HG2405P-135-RTP	RP TNC Plug with 4 foot 195 Series Cable
HG2405P-135-XXX	Custom Cable and Connector Option

Antenna Gain Patterns

