Quick Installation Guide

IEEE 802.11g
Indoor Omni Antenna for SMA Type

ANT-IN-05-G / ANT-IN-05-B
ANT-IN-08-B / ANT-IN-10-B

English & Chinese Ver.: 1.0_CE

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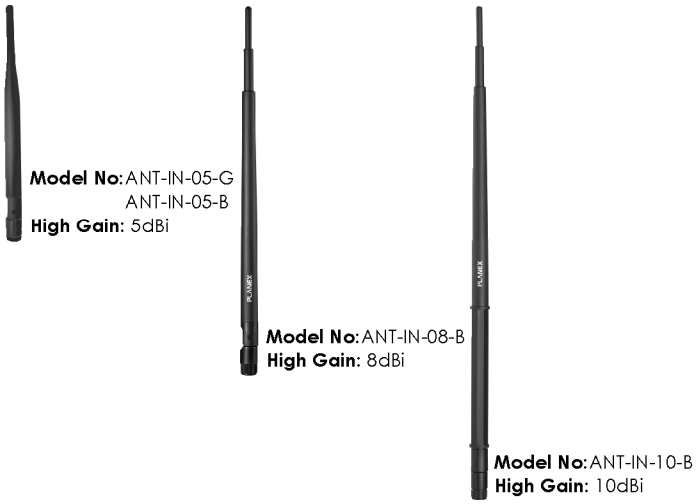
PLANEX COMMUNICATIONS INC.

Introduction

The IEEE 802.11g Indoor Omni Antenna for SMA Type (hereafter called Indoor Omni Antenna) is the ideal solution to extend the coverage and amplify the signal power of your wireless network. Using 360° Omni directional features the wireless signals are equally released in multiple directions for a broader coverage area. The Indoor Omni Antenna is great for Wireless Access Point and Router that supply wireless signals to multiple computers in multiple locations and it is simple and easy to setup.



Model No: ANT-IN-05-G
ANT-IN-05-B
High Gain: 5dBi

Model No: ANT-IN-08-B
High Gain: 8dBi

Model No: ANT-IN-10-B
High Gain: 10dBi

System Requirements

- 2.4 GHz Wireless Network (IEEE 802.11b or IEEE 802.11g or IEEE 802.11n)
- One Wireless Device with detachable external Antenna connector
- Connector Type：Reverse SMA Female Jack

Package Content

- IEEE 802.11g Indoor Omni Antenna for SMA Type
- Quick Installation Guide
- Warranty Card

Antenna Installation

Caution

Before installing the Indoor Omni Antenna, please make sure the wireless device antenna either from the Wireless Access Point, Wireless Router, Wireless PCI Card, Wireless USB Adapter..etc is removable by examining the base of the antenna to see if it is ascrew on type. Please do not force off an antenna as it will damage the wireless transmission.

Step 1 : Remove one default antenna from the wireless device by unscrewing it from the base and start to assemble!

Remove and unscrew counter-clockwise

Step 2 : Screw in the SMA Connector from the Indoor Omni Antenna into the wireless devices.

Screw in clockwise the Reverse SMA plug

Antenna Connector (R/P SMA-plug)

Device Connector (R/P SMA-jack)

Step 3 : After the Indoor Omni Antenna is attached to the wireless device position the Indoor Omni Antenna extending the wireless coverage area and best performance.

* If your Wireless Router/Access Point has two antennas, it is better not to remove the second antenna.
For optional performance, two High-Gain Antenna should be used, pointed to proper directions.

Note

1. Hiding the antenna behind books, cabinets or other office equipment may affect the performance of the wireless network.
2. The antenna transmission range may vary due to many factors in the environment or applications. Performance results will also be affected from different wireless devices due to the variety of different brands where the wireless router/ access point may vary from one to the next.

Electrical Specifications	ANT-IN-05-G / ANT-IN-05-B
Antenna Type	Omni Antenna
Frequency Range	2.4 ~ 2.4835 GHz
Network Specification	IEEE 802.11b, IEEE 802.11g, IEEE 802. 11n Network
Gain	5dBi
V.S.W.R	< 1.5
Beam Width-H Plane(Horizontal)	360°
Beam Width-E Plane(Vertical)	40°
Polarization	Vertical (Linear)
Input Impedance	50 Ohms
Connector	Reverse SMA Male Plug
Operation Temperature	-20°C - + 70°C
Storage Temperature	-30°C - + 85°C
Humidity	Humidity 95% maximum (non-condensing)

Electrical Specifications	ANT-IN-08-B
Antenna Type	Omni Antenna
Frequency Range	2.4 ~ 2.4835 GHz
Network Specification	IEEE 802.11b, IEEE 802.11g, IEEE 802. 11n Network
Gain	8dBi
V.S.W.R	< 2.0
Beam Width-H Plane(Horizontal)	360°
Beam Width-E Plane(Vertical)	40°
Polarization	Vertical (Linear)
Input Impedance	50 Ohms
Connector	Reverse SMA Male Plug
Operation Temperature	-20°C - + 70°C
Storage Temperature	-30°C - + 85°C
Humidity	Humidity 95% maximum (non-condensing)

Electrical Specifications	ANT-IN-10-B
Antenna Type	Omni Antenna
Frequency Range	2.4 ~ 2.4835 GHz
Network Specification	IEEE 802.11b, IEEE 802.11g, IEEE 802. 11n Network
Gain	10dBi
V.S.W.R	< 2.0
Beam Width-H Plane(Horizontal)	360°
Beam Width-E Plane(Vertical)	30°
Polarization	Vertical (Linear)
Input Impedance	50 Ohms
Connector	Reverse SMA Male Plug
Operation Temperature	-20°C - + 70°C
Storage Temperature	-30°C - + 85°C
Humidity	Humidity 95% maximum (non-condensing)

Caution

Avoid direct contact with High Gain Wireless Signals. Keep a distance when in operation. (1 ft)

產品介紹

此款室內型全向性天線是提升你的無線網路效能，達到增加無線訊號與延伸訊號覆蓋範圍的最佳解決方案。具有360°全方向無線訊號含蓋區域範圍的特色。這個室內型全向性天線將是你無線網路基地台或無線網路寬頻分享器的最佳搭配產品，並且這個產品在安裝與操作上是非常容易和簡單的。

產品型號：ANT-IN-05-G
ANT-IN-05-B
增益值：5dBi

產品型號：ANT-IN-08-B
增益值：8dBi

產品型號：ANT-IN-10-B
增益值：10dBi

系統需求

- 2.4 GHz 無線網路標準(IEEE 802.11b / 11g or IEEE 802.11n)
- 一組無線網路裝置設備(通常為無線網路基地台或無線網路寬頻分享器)且產品本身必須支援天線外接功能
- 天線連接器類型：Reverse SMA Female Jack接頭

包裝內容物

- 室內型全向性天線
- 說明書
- 保證卡

天線的安裝

注意

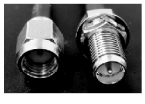
在安裝此款室內型全向性天線之前請先檢查並確定你的無線網路裝置；如無線網路基地台、無線網路寬頻分享器、USB無線網路卡、桌上型電腦PCI界面無線網卡等設備的連接頭類型並符合規格。請勿於相互連接接頭不符的情況下過力強迫性安裝連接，這將影響並損害到你的無線網路裝置無線傳輸正常運作能力。

安裝步驟一：利用反時針旋轉方式旋轉直至移除你無線裝置上出廠預設的低功率天線。

反時針旋轉移除出廠預設的低功率天線

安裝步驟二：利用順時針旋轉方式將此款室內型全向性天線的SMA Male Plug連接頭連至無線裝置上的SMA Female Jack連接頭上。

將SMA Male Plug連接頭
順時針旋轉轉入



天線端
連接頭
(R/P SMA-plug)

裝置端
連接頭
(R/P SMA-jack)

安裝步驟三：在安裝完成之後，可依照個人喜好與無線訊號需求將此產品調整天線角度於適當位置(此適當位置指為延長無線覆蓋範圍的最佳分享位置)以達無線網路的最佳傳輸效能。

* 如果你的無線網路基地台或無線網路寬頻分享器有兩組天線，對正確的使用方式而言第2組天線是不應該移除的。對於無線裝置的傳送與接收等無線傳輸效能來說，兩組高增益天線應該同時被使用並同時調整至適當的傾斜度以達最高的效能。

附註

1. 一般障礙物(如辦公室設備與櫥櫃等阻擋物)的阻隔將會影響本產品無線的傳輸效能。
2. 不同品牌的無線網路基地台或無線網路寬頻分享器或其他無線裝置產品的無線輸出功率有所不同，且依客戶安裝環境如環境溼度與安裝場地環境與障礙物有所不同，將影響天線傳輸效能與覆蓋範圍，請盡量於置放位置時選擇空曠無障礙物環境點置放，以達到最高的產品效能。

規格說明	ANT-IN-05-G / ANT-IN-05-B
天線型態	全向性天線
支援頻率範圍	2.4 ~ 2.4835 GHz
無線網路標準	IEEE 802.11b, IEEE802.11g, IEEE 802.11n Network
增益值	5dBi
駐波比	< 1.5
束波角度(水平)	360°
束波角度(垂直)	40°
極化角度	垂直的(線)
輸入阻抗	50 歐姆
連接頭	Reverse SMA Male Plug
操作溫度	-20°C ~+ 70°C
貯存溫度	-30°C ~+ 85°C
環境濕度	溼度 95 % 最大(非凝結狀態)

規格說明	ANT-IN-08-B
天線型態	全向性天線
支援頻率範圍	2.4 ~ 2.4835 GHz
無線網路標準	IEEE 802.11b, IEEE802.11g, IEEE 802.11n Network
增益值	8dBi
駐波比	< 2.0
束波角度(水平)	360°C
束波角度(垂直)	40°
極化角度	垂直的(線)
輸入阻抗	50 歐姆
連接頭	Reverse SMA Male Plug
操作溫度	-20°C ~+ 70°C
貯存溫度	-30°C ~+ 85°C
環境濕度	溼度 95 % 最大(非凝結狀態)

規格說明	ANT-IN-10-B
天線型態	全向性天線
支援頻率範圍	2.4 ~ 2.4835 GHz
無線網路標準	IEEE 802.11b, IEEE802.11g, IEEE 802.11n Network
增益值	10dBi
駐波比	< 2.0
束波角度(水平)	360°
束波角度(垂直)	30°
極化角度	垂直的(線)
輸入阻抗	50 歐姆
連接頭	Reverse SMA Male Plug
操作溫度	-20°C ~+ 70°C
貯存溫度	-30°C ~+ 85°C
環境濕度	溼度 95 % 最大(非凝結狀態)

注意

請避免直接置放與工業級或室外型更高功率相鄰位置天線。若有必要相鄰運作時請保持一定距離。 **(1英尺)**

ANT-IN-05-G / ANT-IN-05-B
ANT-IN-08-B / ANT-IN-10-B
高功率全向性天線

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