



2.4GHz 6dBi Indoor Directional Antenna

The ANT-24-0600 2.4GHz Directional Antenna is a range extender antenna that provides an extended range for wireless network. Providing output 2 to 2.5 times higher than that of the 2dBi dipole antennas normally bundled with wireless LAN devices, this 6dBi directional antenna significantly extends your wireless network coverage area by up to 50%. Supporting all 2.4GHz standards, including IEEE 802.11b and the new high-speed 802.11g standard, the ANT-24-0600 antenna can work on any wireless device equipped with an RP-SMA or RP-TNC connector.

Indoor Installation

This directional antenna is suitable for indoor use. You can place the antenna to beam signals directly to wireless users and devices. The ANT-24-0600 can be used to improve signal transmission at sites where the default antenna of the wireless device has a weak transmit output power, and where the omni-directional signal transmission of the default dipole antenna is deemed less effective.

Plug-and-Play Installation

The ANT-24-0600 antenna works with all access points and remote routers to boost high-speed wireless signaling in a specific direction. This antenna is easy to install. Installation can be completed in two simple steps: (1) removing the default antenna from the wireless device (the wireless Access Point or Router), then (2) connecting the ANT-24-0600 antenna to replace the old one.

Flexible Mounting Options & Adjustable Angle

The ANT-24-0600 antenna offers several mounting options. It can be placed on a flat surface, such as on a desktop, mounted flat against a wall, or attached vertically to a flat surface, such as a metal door, using its magnetic mounting base. The antenna design provides a focused wireless signal with 80 degree spread, allowing it to be tilted to a desired angle to produce the most effective signal transmission result.

Key Features

- Extends 2.4GHz 802.11 b/g wireless network operation range
- Adjustable angle for best signal transmission result
- 3 flexible installation options: placing on flat surface, mounting on wall, magnetic attachment
- Works with all 2.4GHz wireless devices equipped with RP-SMA or RP-TNC antenna connector
- Simple 2-step installation
- 150-cm extension cable provided
- Compact, lightweight

ANT24-0600

Technical Specifications

2.4GHz Wireless LAN

Electrical Properties

Frequency Range

2.4GHz to 2.5GHz

Impedance

50 ohm normal

VSWR

1.92 max.

Return Loss

-10 dB max.

Antenna Structure

1/2 dipole array reflector

Peak Gain (without cable loss)

6.0 dBi @ 2.45GHz (typical)

Admitted Power

1 watt

Cable Loss (1.5m)

2.1dB @ 2.45GHz

H-Plane

-3dBi, 68

E-Plane

-3dBi, 80

Physical Properties

Extension Cable

Filotex 50 ohm

Antenna Cover

ABS

Antenna Base

PC

Color

Metallic gray

Physical & Environmental

Dimensions

Panel: 80 x 80 x 15.6 mm

Base: 85 x 65 x 34 mm

Weight

202 grams (antenna only)

Operating Temperature

-20° to 65 °C

Storage Temperature

-30° to 75 °C

Package Includes

- ANT24-0600 antenna with
- 1.5m Filotex extension cable
- RP-SMA jack connector
- RP-SMA to RP-TNC adapter
- User's Quick Installation Guide
- 2 screws
- 2 plastic fixings
- Sticker

Ordering Information

ANT24-0600

2.4Ghz 6dBi Indoor Directional Antenna

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