



— ANT24-0501

## 5dBi High Gain Omni-Directional Antenna

### For 2.4GHz ISM Band Indoor Use

The D-Link ANT24-0501 is a high-Gain omni-directional antenna designed for 2.4GHz ISM band indoor use. This antenna provides high transmission/reception rates for wireless LAN devices operating on the 2.4GHz public industrial, scientific and medical (ISM) frequency band. It can be used with 802.11b and 802.11g wireless LAN devices such as access points and remote routers. This antenna can be used to replace the default antenna of your wireless device to expand its operation range. It can be connected to your wireless device through an extension cable (provided with the antenna), or directly attached to your wireless device.

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#### Product Features

- 5dBi Gain omni-directional antenna
- Compliant with 2.4GHz ISM band
- For indoors use with 802.11b/g wireless devices
- Extends and expands wireless networking environment range to 360 degree coverage in open space and office environment
- Perfect pattern and adjustable angle for best performance result
- 4 flexible installation options: desktop on flat surface, magnetic attached, wall-mounting and direct attachment on wireless device
- Stylish, unique housing design
- Works with 2.4GHz wireless antennas equipped with RP-SMA or RP-TNC connector
- Extension cable provided for flexible and extendable antenna working environment

# ANT24-0501

## Technical Specifications

### 2.4GHz Antenna

#### Electrical Properties

##### Frequency Range

2.4GHz to 2.5GHz

##### Directivity

Omni-directional

##### Impedance

50 ohm (normal)

##### VSWR

1.92 (max.)

##### Return Loss

-10dB (max.)

##### Antenna Structure

Collinear

##### Peak Gain

5dBi(without cable loss)

##### Admitted Power

1 watt

##### Cable Loss (1.5m)

2.1dB at 2.45GHz

##### HPBW/E-Plane (Vertical)

36 degrees

##### HPBW/H-Plane (Horizontal)

360 degrees

#### Physical & Environmental

##### Extension Cable

- RG-178 50-ohm
- 1.5-meter length, gray color

##### Connector

- RP-SMA
- RP-SMA to RP-TNC adapter provided

##### Antenna Material

ABS, ABS+PC

##### Color

- Antenna: metallic gray and silver
- Antenna base: metallic gray

##### Dimensions

230 (H) x 120 (W) x 120 (D) mm (antenna base included)  
9 mm (diameter) (antenna pole)

##### Weight

217 grams (antenna base and extension cable included)

##### Operating Temperature

-20° to +65°C

##### Storage Temperature

-30° to +75°C

##### Operating Humidity

5% to 95% RH non-condensing

##### Storage Temperature

5% to 95% RH non-condensing



Unique carton containing 6 units can be used for protection during shipping and for product display at retail stores. Each antenna is placed inside its individual package with transparent polygon. For display, peel off the carton's front to expose the products from 3 different viewing angles.



### Ordering Information

ANT24-0501 5dBi Omni-Directional Indoor 2.4GHz Antenna

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