

8dBi/10dBi Directional Antenna

2.4GHz/5GHz Dual Band Wireless Antenna

- For 802.11a/b/g Wireless LAN
- Indoor/Outdoor Use
- Up to 1 km (2.4GHz), 1.5 km (5GHz) Signal Range
- Pole Mounting
- Ideal for Connecting Building to Building or Installation in Great Hall

FEATURES

- **Complies With IEEE 802.11a/b/g Wireless LAN Standards**
- **Operates in 2.4GHz and 5GHz Frequency Bands**
- **8dBi (2.4GHz), 10dBi (5GHz) Peak Gain**
- **Expands Wireless Operation Range to 1 km (2.4GHz), 1.5 km (5GHz) Outdoors, 800 m (2.4GHz), 1.2 km (5GHz) Indoors**
- **Pole Mounting Configuration**
- **Extension Cable Provided**
- **Surge Protector for Outdoors Use Provided**

The ANT70-1000 directional antenna is a high Gain, high-performance dual band antenna for indoor and outdoor installation. Supporting up to 1 km (2.4GHz), 1.5 km (5GHz) signal range when installed outdoor, and 800 m (2.4GHz), 1.2 km (5GHz) signal range when installed indoor, this antenna can greatly increase the effective wireless operation range of 802.11a, 802.11b and 802.11g wireless devices.

Providing 8dBi peak Gain for the 2.4GHz frequency band and 10dBi peak Gain for the 5GHz frequency band, this antenna can be connected to a wireless access point or router to improve signal transmission and reception in a directional angle. It is ideal for connecting two networks locating in two different buildings, or in two different locations in a campus. For indoors use, this antenna is ideal for installation in an exhibition hall or a large lobby.

The ANT70-1000 antenna is equipped with an N-jack connector and can be mounted on a pole. It can be attached to a wireless device through a provided extension antenna cable.



Technical Specifications

Electrical Properties

Frequency Range

- 400MHz to 2500 MHz
- 4900MHz to 5875MHz

Impedance

50 ohm (normal)

VSWR

- 2.0 : 1 maximum (2.4GHz frequency band)
- 2.0 : 1 maximum (5GHz frequency band)

Peak Gain

- 8dBi (2.4GHz frequency band)
- 10dBi (5GHz frequency band)

Horizontal Half Power Beam Width

- 58° (2.4GHz frequency band)
- 45° (5GHz frequency band)

Vertical Half Power Beam Width

- 55° (2.4GHz frequency band)
- 45° (5GHz frequency band)

Polarization

- Linear
- Vertical

Power handling

5 watts (cw)

Front to Back Ratio

15dB

Down Tilt

0°

Approximate Operation Range *

- (At 1/11/54Mbps, using indoor AP)
- 800 m/400 m/150 m (2.4GHz frequency band)
 - 1.2 km/600 m/250 m (5GHz frequency band)

Approximate Operation Range *

- (At 1/11/54Mbps, using outdoor AP)
- 1 km/500 m/200 m (2.4GHz frequency band)
 - 1.5 km/ 700 m/300 m (5GHz frequency band)

* Effective range based on EIRP (Effected Isotropic Radiation Power = device output power + antenna gain - cable loss). Actual range subject to change due to users' physical environment. Above figures are for reference only.

Installation

Connector

N-Jack

Mounting

Pole

Extended Antenna Cable

50 cm length

Surge Current Protector

Included

Physical & Environmental

Survival Wind Speed

216 km/hr

Operating Temperature

-40°C to +80°C

Operating Humidity

95% @ 25°C

Color

White

Material

ABS, UV resistant

Weight

150 grams

Dimensions

114 x 114 x 40 mm

Optional Antenna Cable Kits

- ANT24-CB03N** 3 m antenna cable with N-male to N-female connectors
- ANT24-CB06N** 6 m antenna cable with N-male to N-female connectors
- ANT24-CB09N** 9 m antenna cable with N-male to N-female connectors
- ANT24-ODU03M** 0.3 m LMR200 0.6dB low loss antenna cable
- ANT24-ODU1M** 1 m LMR400 0.6dB low loss antenna cable
- ANT24-ODU3M** 3 m LMR400 0.6dB low loss antenna cable
- ANT24-DLK3M** 3 m LMR400 2.0dB low loss antenna cable with RP-TNC multi-brand jumper connector

D-Link Worldwide Offices

U.S.A.

TEL: 1-800-326-1688

Canada

TEL: 1-905-8295033

Europe (U. K.)

TEL: 44-20-8731-5555

Germany

TEL: 49-6196-77990

France

TEL: 33-1-30238688

Netherlands

TEL: 31-10-282-1445

Belgium

TEL: 32(0)2-517-7111

Italy

TEL: 39-02-2900-0676

Sweden

TEL: 46-(0)8564-61900

Denmark

TEL: 45-43-969040

Norway

TEL: 47-99-300-100

Finland

TEL: 358-9-2707 5080

Spain

TEL: 34-93-4090770

Portugal

TEL: 351-21-8688493

Czech Republic

TEL: 420-(603)-276-589

Switzerland

TEL: 41-(0)-1-832-11-00

Greece

TEL: 30-210-9914 512

FAX: 1-866-743-4905

FAX: 1-905-8295223

FAX: 44-20-8731-5511

FAX: 49-6196-7799300

FAX: 33-1-30238689

FAX: 31-10-282-1331

FAX: 32(0)2-517-6500

FAX: 39-02-2900-1723

FAX: 46-(0)8564-61901

FAX: 45-43-424347

FAX: 47-22-309580

FAX: 358-9-2707-5081

FAX: 34-93-4910795

FAX: 41(0)-1-832-11-01

FAX: 30-210-9916902

Luxemburg

TEL: 32-(0)2-517-7111

FAX: 32-(0)2-517-6500

Poland

TEL: 48-(0)-22-583-92-75

FAX: 48-(0)-22-583-92-76

Hungary

TEL: 36-(0)-1-461-30-00

FAX: 36-(0)-1-461-30-09

Singapore

TEL: 65-6774-6233

FAX: 65-6774-6322

Australia

TEL: 61-2-8899-1800

FAX: 61-2-8899-1868

India

TEL: 91-022-26526696

FAX: 91-022-26528914

Middle East (Dubai)

TEL: 971-4-3916480

FAX: 971-4-3908881

Turkey

TEL: 90-212-289-56-59

FAX: 90-212-289-76-06

Egypt

TEL: 202-414-4295

FAX: 202-415-6704

Israel

TEL: 972-9-9715700

FAX: 972-9-9715601

LatinAmerica

TEL: 56-2-232-3185

FAX: 56-2-232-0923

Brazil

TEL: 55-11-218-59300

FAX: 55-11-218-59322

South Africa

TEL: 27-12-665-2165

FAX: 27-12-665-2186

Russia

TEL: 7-095-744-0099

FAX: 7-095-744-0099 #350

China

TEL: 86-10-58635800

FAX: 86-10-58635799

Taiwan

TEL: 886-2-6600-0123

FAX: 886-2-6600-8168

Headquarters

TEL: 886-2-6600-0123

FAX: 886-2-6600-9898