

Dual Frequency Band Support

- Supports 2.4GHz to 2.5GHz frequency range
- Supports 4.9GHz to 5.8GHz frequency range

Extensive Coverage Support

- Enhances wireless range with high gains of 8dBi for 2.4GHz band and 21dBi for 5GHz band

Ideal for Point to Point Connection

- Powerful directional signal transmission suitable for connecting LANs together

Suitable for Outdoor Deployment

- Durable, waterproof design ideal for outdoor use
- Wall/Pole mounting installation
- Surge arrester to prevent damage from power surge or lightning

2.4GHz/5GHz High Gain Dual Band Indoor/Outdoor Directional Antenna



The D-Link ANT70-1000 2.4/5GHz Dual Band Indoor/Outdoor Directional Antenna is designed for use with wireless devices operating in the 2.4GHz and 5GHz frequency bands such as 802.11 standard wireless access points and routers. It provides a Gain of 8dBi for 2.4GHz band and 21dBi for 5GHz band to give your wireless network an extended operating range. For best performance, users can use an antenna of the same Gain or higher at the other connection end to take advantage of this antenna's powerful signal transmission¹.

Point to Point Application

The ANT70-1000 Dual Band Indoor/Outdoor Directional Antenna is ideal for operating in modes such as point-to-point WDS and others that require a high gain directional antenna. An example application of this antenna is to extend your local area network (LAN) by connecting LANs at two physically separated locations. Alternatively, Wireless Internet Service Provider (WISP) subscribers can also use this antenna to establish a strong connection between their host and to their ISP's outdoor AP.

Outdoor Deployment

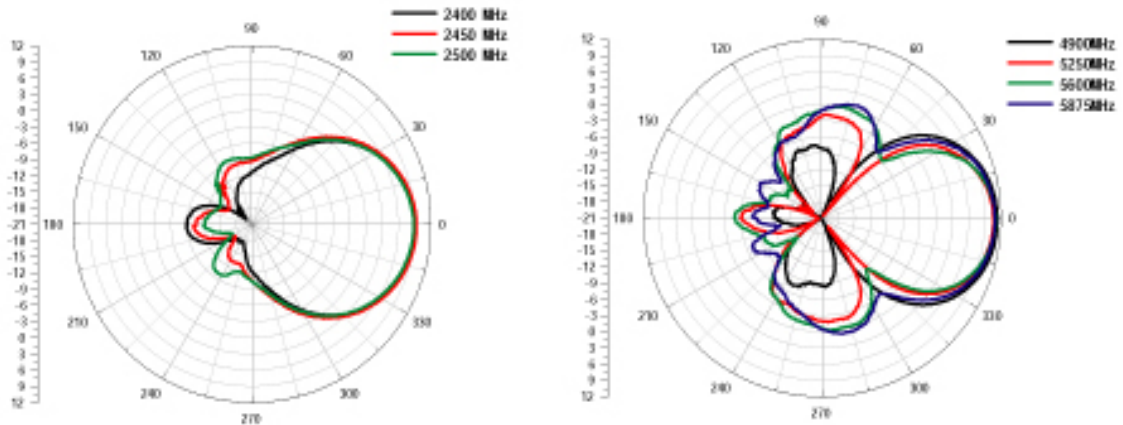
The ANT70-1000 Directional Antenna has a durable build and a sturdy, waterproof design making it suitable for outdoor installation. Furthermore, it is made of corrosion-resistant material, enabling it to withstand harsh outdoor conditions. A surge arrester is included for protection against outdoor elements such as lightning and thunder storms.

Accessories Included

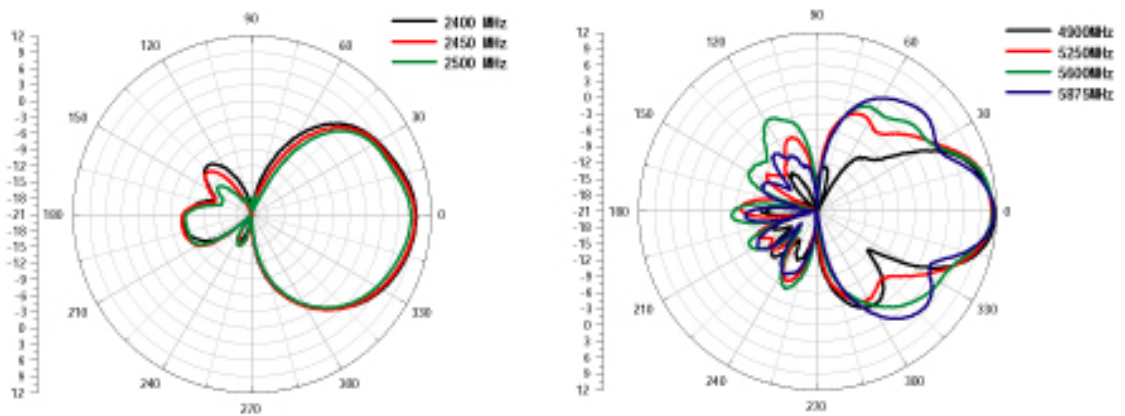
For ready installation, the ANT70-1000 antenna includes a pole mounting kit, which allows it to be placed on a pole for better wireless coverage. It also comes equipped with an indoor adapter cable fitted with N Type and RP-SMA connectors for easy connection to a host.

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H-plane Co-polarization Pattern



V-plane Co-polarization Pattern



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Technical Specifications

Electrical Properties

Frequency Range	2400 MHz to 2500 MHz 4900 MHz to 5875 MHz
Impedance	50 Ohms
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 (HPBW / H-PLANE)	58° (2.4GHz frequency band) 45° (5GHz frequency band)
Vertical Half Power Beam Width (HPBW / E-PLANE)	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°
Connector	N-Jack (built-in)
Extension Cable	50 cm with RP-SMA and N-type connectors
Surge Arrestor	Included
Mounting	Pole

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	120 grams
Dimensions	114 (L) x 124 (W) x 40 (H) mm

¹ Transmission and reception distances can vary according to the transmission speeds. To get maximum signal coverage, make sure there is no obstruction in the signal path between the transmission and reception ends.

² The transmission distance range depends on the two same spec antennas with default cable loss under free line of sight environment.