

## Dual Frequency Band Support

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

## Extensive Coverage Support

- Enhances wireless range with high gains of 8 dBi for 2.4 GHz band and 10 dBi for 5 GHz 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

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



The D-Link ANT70-1000 2.4/5 GHz Dual Band Indoor/Outdoor Directional Antenna is designed for use with wireless devices operating within the 2.4 GHz and 5 GHz frequency bands such as 802.11 standard wireless access points and routers. The antenna provides a gain of 8 dBi for the 2.4 GHz band and 21 dBi for the 5 GHz band to give wireless networks an extended operating range. Users can use an antenna with equivalent or higher gain on the opposite end of the connection to take advantage of the antenna's powerful signal transmission<sup>1</sup>.

### Point to Point Application

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

### Outdoor Deployment

The ANT70-1000 Directional Antenna has a durable build with a sturdy waterproof design, making it suitable for outdoor installation. Furthermore, the antenna is made of corrosion-resistant material, which enables it to withstand many harsh outdoor conditions while still maintaining its structure. In addition, a surge arrester is included to protect against other outdoor elements such as lightning and moisture.

### Accessories Included

The ANT70-1000 comes packaged with a pole mounting kit, allowing it to be placed on a pole to provide better wireless coverage. It also comes equipped with an indoor adapter cable fitted with both N-Type and RP-SMA connectors allowing for an easier connection to a host.



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### Technical Specifications

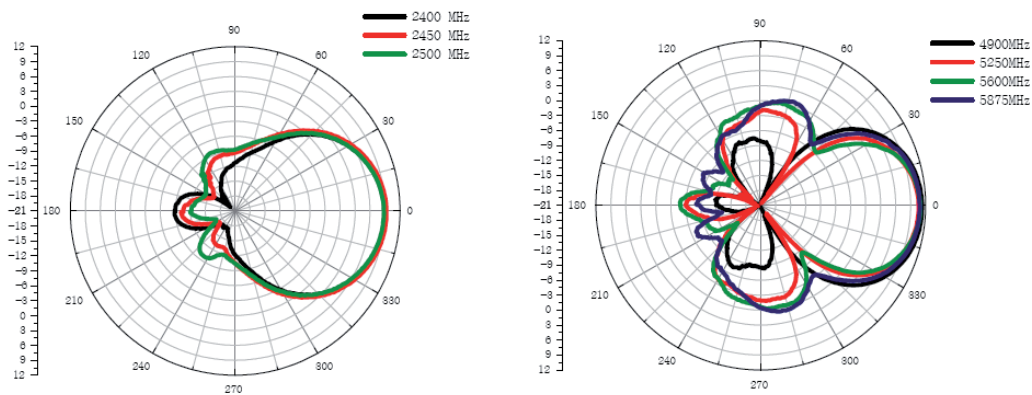
Transmission Properties	Frequency Range	2400 to 2500 MHz 4900 to 5875 MHz
	Impedance	50 ohms
	VSWR	2.0 : 1 maximum (2.4 GHz frequency band) 2.0 : 1 maximum (5 GHz frequency band)
	Peak Gain	8 dBi (2.4 GHz frequency band) 10 dBi (5 GHz frequency band)
	Horizontal Half Power Beam Width (HPBW/H-PLANE)	58° (2.4 GHz frequency band) 45° (5 GHz frequency band)
	Vertical Half Power Beam Width (HPBW/H-PLANE)	55° (2.4 GHz frequency band) 45° (5 GHz frequency band)
	Polarization	Linear Vertical
	Front to Back Ratio	15 dB
	Down Tilt	0°
Physical & Environmental Properties	Device Interface	N-Jack (built-in)
	Extension Cable for indoor AP <sup>3</sup>	50 cm with RP-SMA and N-type extension cables
	Surge Arestor	Included
	Mounting Hardware	Pole type
	Survival Wind Speed	216 km/hr
	Operating Temperature	-40 to 80 °C (-40 to 176 °F)
	Operating Humidity	95% at 25 °C (77 °F)
	Color and Material	White ABS, UV resistant
	Certifications	CE
	Weight	120 grams (.26 lb)
	Dimensions	114 x 124 x 40 mm (4.4 x 4.8 x 1.5 inches)

<sup>1</sup> 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.

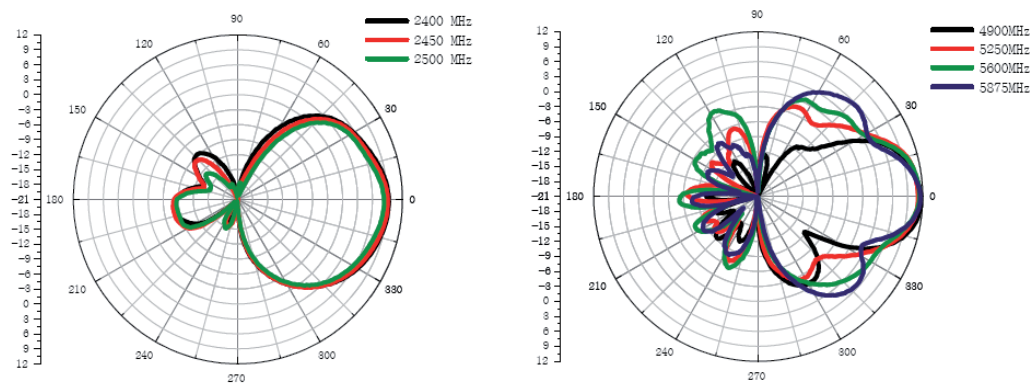
<sup>2</sup> The transmission distance range depends on the two same spec antennas with default cable loss under a free line of sight environment.

<sup>3</sup> The included extension cable is for indoor AP connection only. For outdoor AP connections, an outdoor extension cable is required (ANT70-CBIRN or ANT70-CBIN).

## H-Plane Co-polarization Pattern



## V-Plane Co-polarization Pattern



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