

Dual Band Support

- Supports 2.4GHz to 2.5GHz frequency range
- Supports 5.1GHz to 5.875GHz frequency range

High Speed MIMO Antenna

- Triple Polarization antenna for D-Link 11n access points

Ideal For Point-to-Point Connection

- Powerful directional signal transmission suitable for connecting LANs together

Suitable For Outdoor Deployment

- Durable design ideal for outdoor use
- Pole-mount installation
- Water/Dustproof - IP67 standard

Package Contents

- ANT70-1400N Antenna
- Extension Cable (50cm cable with RP-SMA TON connector)
- Mounting Kit
- Waterproof tape
- Quick Installation Guide

Optional Accessory

- ANT70-SP Surge Protector
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Triple Polarization Dual-Band Outdoor Directional Antenna



D-Link ANT70-1400N Triple Polarization Dual-Band Directional Antenna is an outdoor antenna for connecting 2.4 or 5GHz wireless LAN over long distances and connection with high-speed 11n. It has three antenna connectors for transmitting three spatial streams.

Point-to-Point Application

The ANT70-1400N 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.

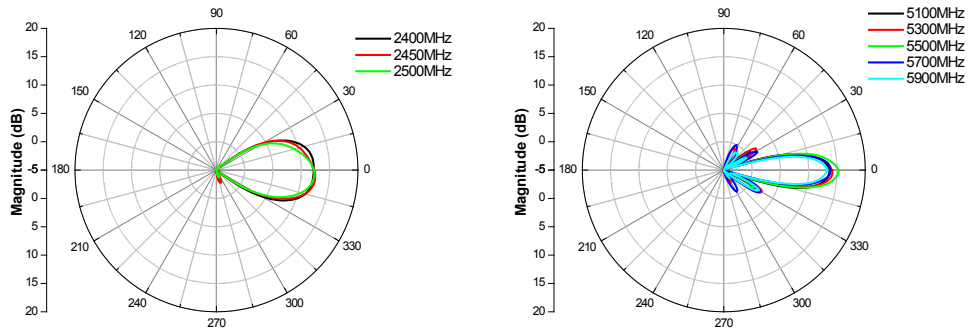
Weatherproof Design

The ANT70-1400N features a durable build and a waterproof design which provides complete protection from extreme weather. Furthermore, it is made of corrosion-resistant material, enabling it to withstand harsh outdoor conditions and wind speeds up to 216km/hr and is robust enough to remain outside indefinitely. The ANT70-SP surge protector can be purchased separately to protect the antenna's receiver from damaging voltages and other outdoor elements such as lightning.

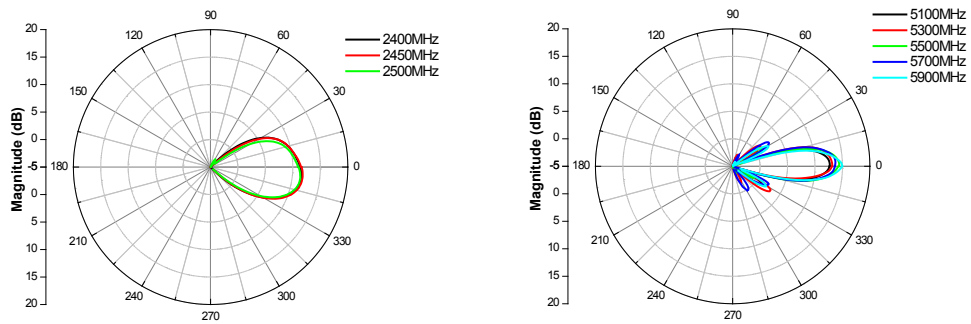
Flexible Deployment

For ready installation, the ANT70-1400N 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.

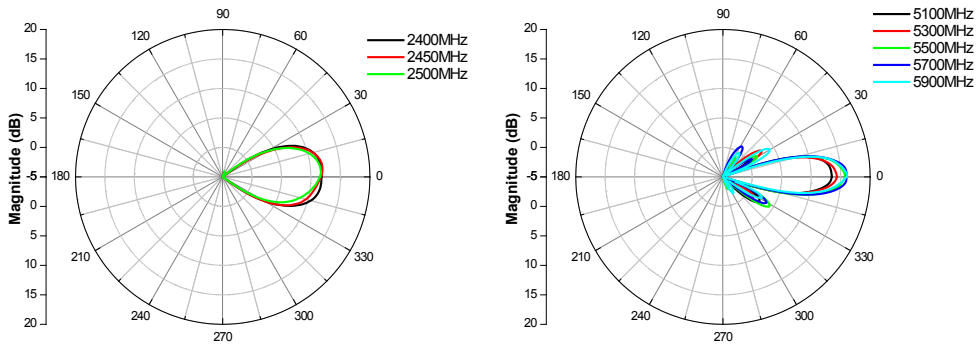
Radiation Patterns



Port 1 (H-Plane)

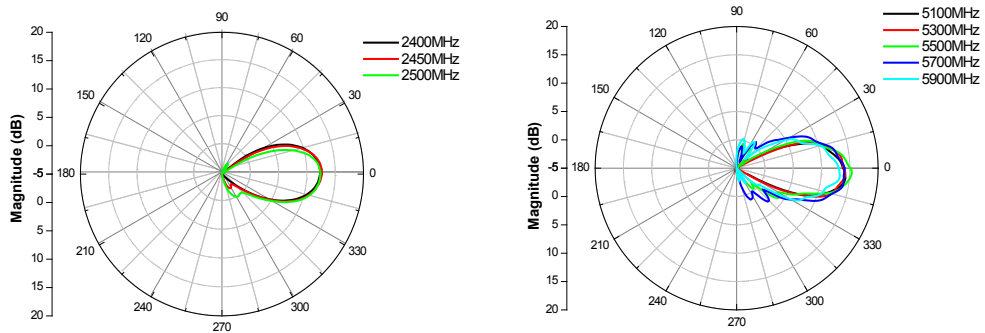


Port 2 (H-Plane)

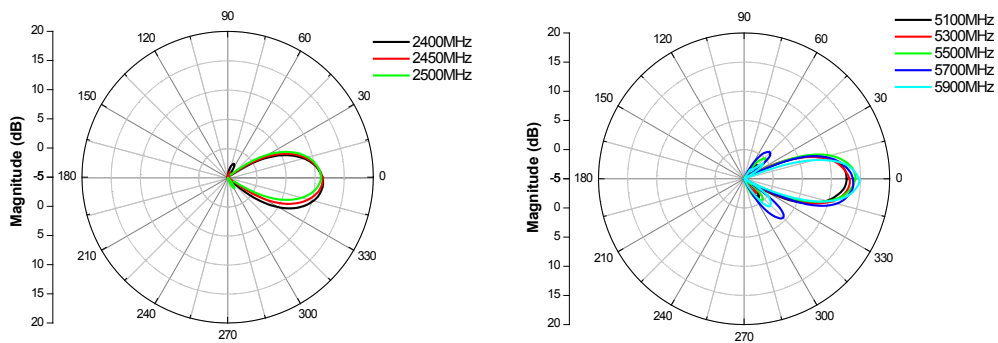


Port 3 (H-Plane)

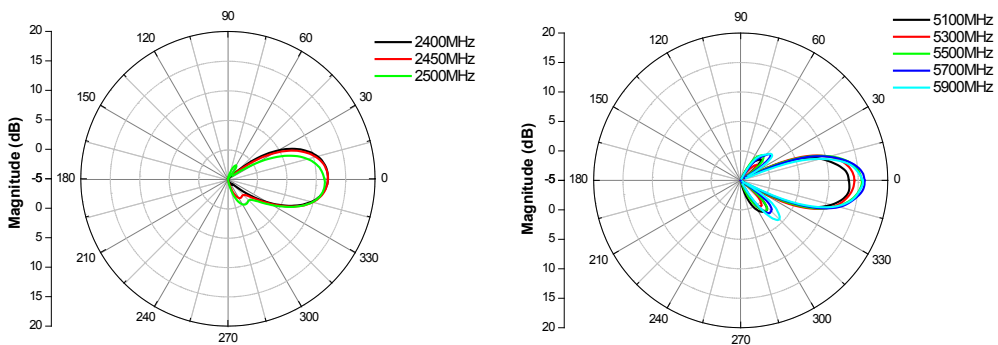
Radiation Patterns



Port 1 (V-Plane)



Port 2 (V-Plane)



Port 3 (V-Plane)



Triple Polarization Dual-Band Outdoor Directional Antenna

Technical Specifications

Electrical Properties

Frequency Range	2400 MHz to 2500 MHz 5150 MHz to 5875 MHz
Peak Gain	11dBi (2.4GHz frequency band) 12-14dBi (5GHz frequency band)
VSWR	2.0 : 1 maximum (2.4GHz frequency band) 2.0 : 1 maximum (5GHz frequency band)
Polarization	Linear Vertical
Horizontal Half Power Beam Width (HPBW/ H-PLANE)	40°-44° (2.4GHz frequency band) 19°-22° (5.1GHz frequency band)
Vertical Half Power Beam Width (HPBW/ V-PLANE)	38°-41° (2.4GHz frequency band) 25°-31° (5.1GHz frequency band)
Front to Back Ratio	-20dB (max)
Downtilt	0°
Power Handling	2.4GHz: 10 W (cw) 5GHz: 6 W (cw)
Impedance	50 ohms
Connector	N Jack (x 3)
Extension Cable	50 cm with RP-SMA and N-type connector
Mounting Type	Pole & Wall

Physical & Environmental

Survival Wind Speed	216 km/hr
Operating Temperature	-40°C to +80°C
Operating Humidity	95% @ 55°C
Color	White
Material	ABS, UV resistant
Weight	1.72 kg
Dimensions	360 (L) x 360 (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.