Dual Frequency Band Support

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

Extensive Coverage

- Enhances wireless range with high Gains of 14dBi for 2.4GHz band and 18dBi for 5GHz band

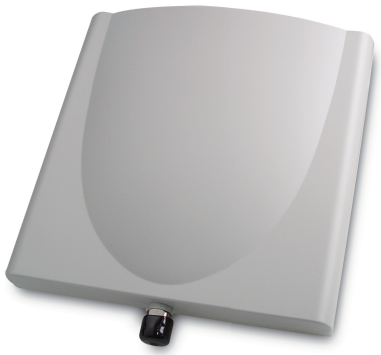
Ideal For Point-to-Point Connection

- Powerful directional signal transmission suitable for connecting LANs together

Suitable For Outdoor Deployment

- Durable, waterproof design ideal for outdoor use
- Pole-mount installation
- Surge arrestor to prevent damage from power surge or lightning

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



D-Link ANT70-1800 2.4GHz/5GHz High Gain Outdoor Dual-Band Directional Antenna is suitable for outdoor installation. It provides a Gain of 14dBi for 2.4GHz band and 18dBi 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 end of the connection to take advantage of this antenna's powerful signal transmission[1].

Point-to-Point Application

The ANT70-1800 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.

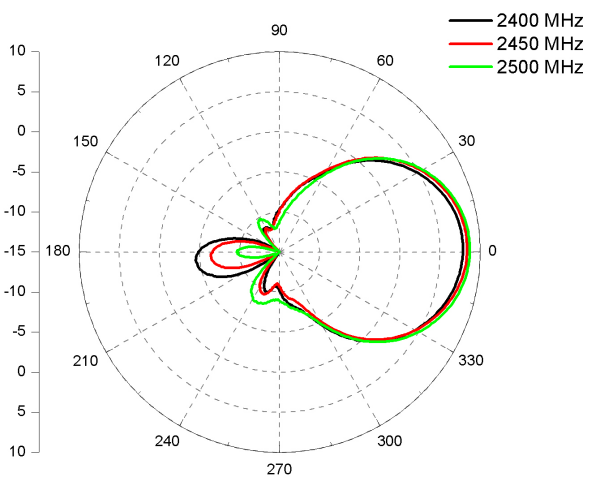
Weatherproof Design

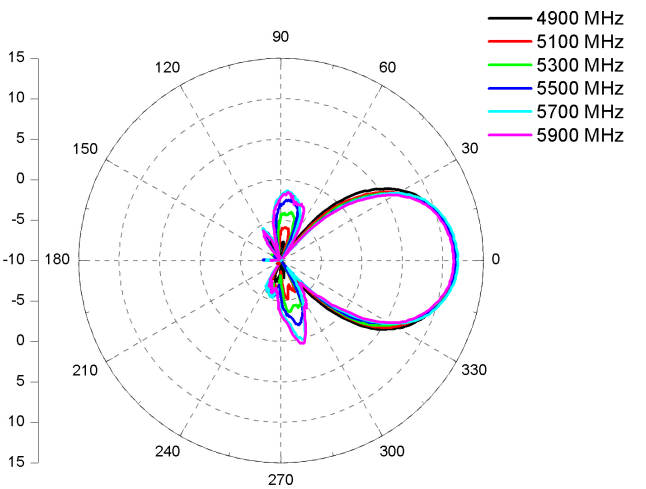
The ANT70-1800 features a durable build and a waterproof design which provides complete protection from extreme weather. Furthermore, it is made of corrosion-resistant material, enabling it to withstand harsh outdoor conditions and wind speeds up to 216km/hr and is robust enough to remain outside indefinitely. A surge arrestor is included to protect the antenna's receiver from damaging voltages and other outdoor elements such as lightning.

Flexible Deployment

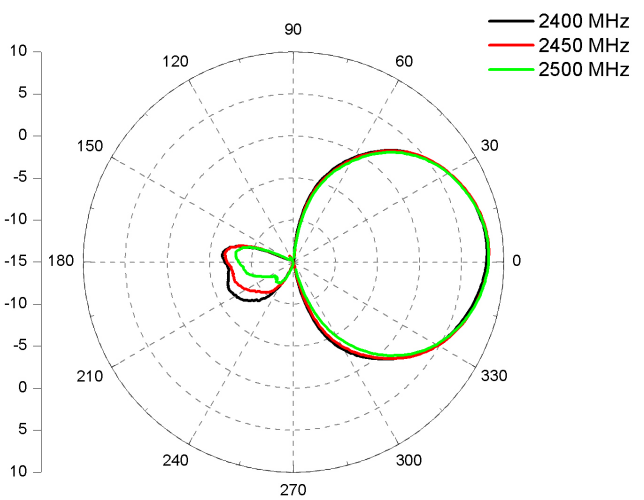
For ready installation, the ANT70-1800 antenna includes a pole mounting kit, which allows it to be placed on a pole for better wireless coverage. It also comes equipped with an indoor adapter cable fitted with N-type and RP-SMA connectors for easy connection to a host.

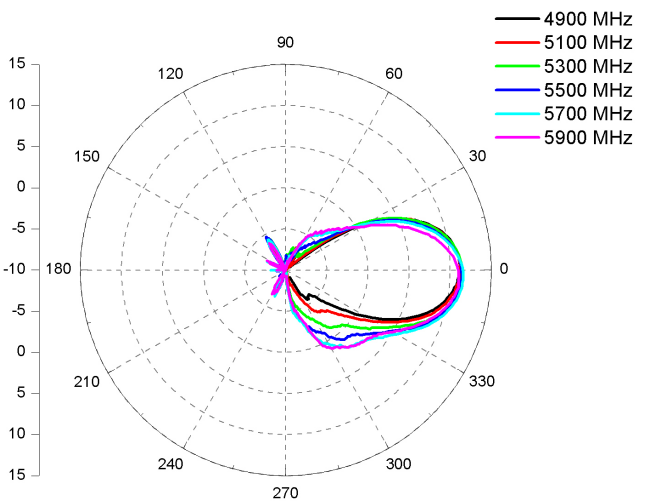
H-Plane Co-polarization Pattern

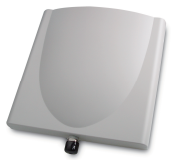




V-Plane Co-polarization Pattern







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

Technical Specifications

Electrical Properties

Frequency Range	2400 MHz to 2500 MHz 4900 MHz to 5875 MHz
Peak Gain	14dBi (2.4GHz frequency band) 18dBi (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)	30º (2.4GHz frequency band) 15º (5GHz frequency band)
Vertical Half Power Beam Width (HPBW/ V-PLANE)	30º (2.4GHz frequency band) 15º (5GHz frequency band)
Front to Back Ratio	15dB
Downtilt	0°
Power Handling	10 W (cw)
Impedance	50 ohms
Connector	N Jack (built-in)
Extension Cable	50 cm with RP-SMA and N-type connector
Mounting Type	Pole
Surge Arrestor	Included

Physical & Environmental

Survival Wind Speed	216 km/hr
Operating Temperature	-40°C to +80°C
Operating Humidity	95% @ 55°C
Color	Light gray
Material	ABS, UV resistant
Weight	0.4 kg
Dimensions	200 (L) x 218 (W) x 50 (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.

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