

2.4GHz Frequency Support

- Supports 2.4GHz to 2.5GHz frequency range

Extensive Coverage

- Enhances wireless range with a high directional 21dBi Gain

Ideal for Point to Point Connection

- Powerful directional signal transmission suitable for connecting buildings' networks together

Suitable for Outdoor Deployment

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

2.4GHz High Gain Outdoor Directional Antenna



The D-Link ANT24-2100 2.4GHz High Gain Outdoor Directional Antenna is designed for use with wireless devices operating in the 2.4GHz frequency band such as 802.11 standard wireless access points and routers. It provides a very high Gain of 21dBi to give your wireless network an extended operating range. For best performance, users can use an antenna of the same Gain (21dBi) or higher at the other connection end to take advantage of this antenna's powerful grid design signal transmission¹.

Point to Point Application

The ANT24-2100 2.4GHz High Gain 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 from two separate buildings. A powerful point-to-multi-point topology, such as connecting three separate buildings together, is also possible by attaching to the same wireless host two of these antennas, each pointing toward a different direction.

Outdoor Deployment

The ANT24-2100 2.4GHz High Gain Outdoor Directional Antenna has a durable build and a sturdy, waterproof design making it suitable for outdoor installation. Furthermore, its corrosion-resistant material and grid design enable it to withstand harsh outdoor conditions and high wind speeds. A surge arrester is included for protection against outdoor elements such as lightning and thunder storms.

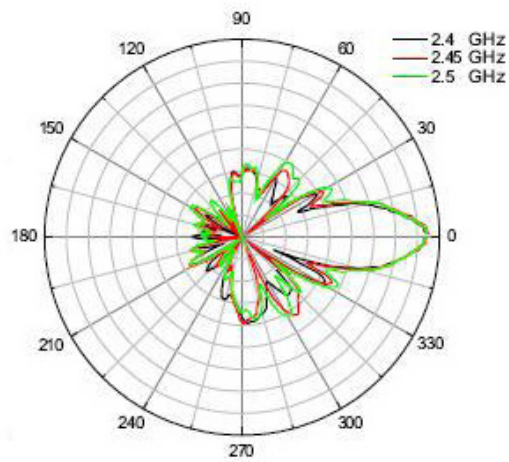
Accessories Included

For ready installation, the ANT24-2100 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.

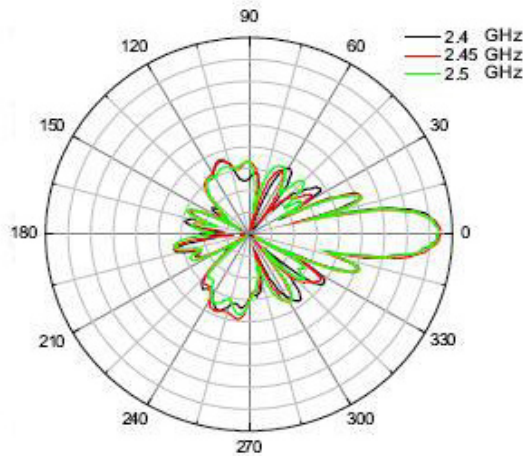
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Radiation Patterns

Horizontal



Vertical



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Technical Specifications

Electrical Properties

Frequency Range	2400-2500MHz
Impedence	50 +/- Ohms
VSWR	1.7 max
Peak Gain	21dBi
Horizontal Half Power Beam Width (HPBW / H-PLANE)	10°
Vertical Half Power Beam Width (HPBW / E-PLANE)	12°
Polarization	Vertical
Power Handling	1 watt
Front to Back Ratio	28dB
Down Tilt	0°
Connector	N-female (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 +70 C
Operating Humidity	95% @ 25°C
Color	Black
Material	ABS, UV resistant
Weight	3.7 kg
Dimensions	1056 mm (L) x 600 mm (W)

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.

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



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