

2.4GHz Frequency Support

- Supports 2.4GHz to 2.5GHz frequency range

Extensive Coverage

- Enhances wireless range with a high directional 12dBi Gain

Ideal For Point-to-Point Connection

- Powerful directional signal transmission suitable for connecting LANs together

Suitable For Indoor Deployment

- Wall/Window mount
- Extension cable (3 m)

2.4GHz High Gain Indoor Directional Antenna

The D-Link ANT24-1200 High Gain Indoor Directional Panel 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 Gain of 12dBi to give your wireless network an extended operating range. For best performance, users can use an antenna of the same Gain (12dBi) or higher, at the other end of the connection to take advantage of this antenna's powerful signal transmission¹. The antenna can be used at homes, businesses or public hotspots.

Point-to-Point Application

The ANT24-1200 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.

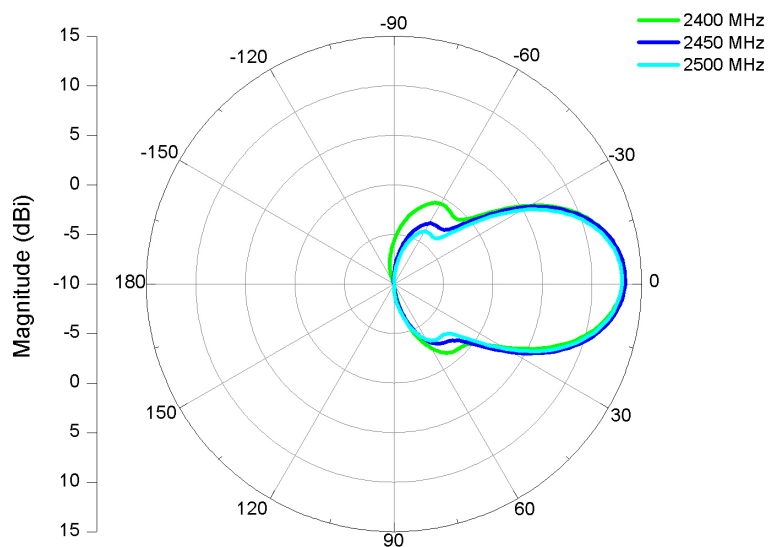
AP to Wireless Client Application

Another application is to connect this antenna to a host operating in the AP mode. By mounting the antenna on a high pole, RF signals from the antenna can be beamed towards one direction to reach multiple wireless clients. Capable of sending signals to an extended range, this antenna can be installed at public places such as convention halls or airport hotspots to provide Intranet or Internet access to users needing wireless connection for their computers, PDA and other devices.

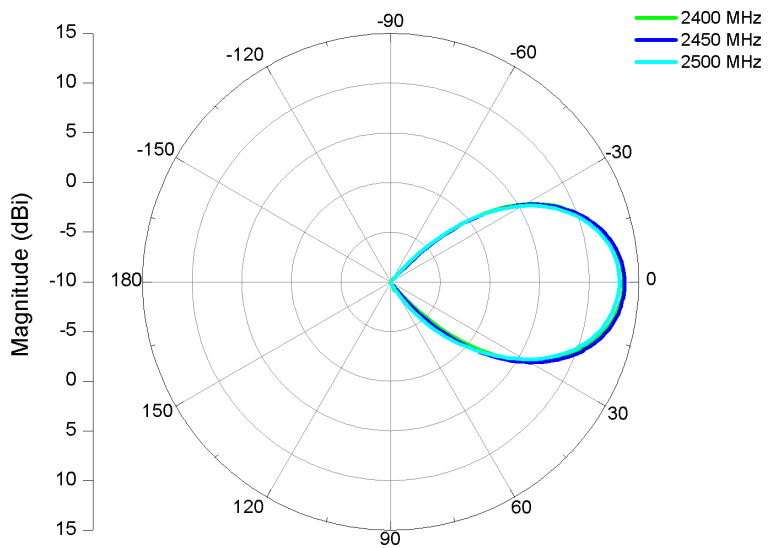
Window or Wall Mounting

The ANT24-1200 Indoor Directional Antenna uses a flat panel design and includes an extension cable (3m) and a mounting kit for wall installation. You can also place the antenna on a window using the provided suction cups.

H-plane Co-polarization Pattern



V-plane Co-polarization Pattern





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Technical Specifications

Electrical Properties

Frequency Range	2400-2500MHz
Peak Gain	12dBi
VSWR	1.5 : 1 Max
Polarization	Linear, vertical
Horizontal Half Power Beam Width (HPBW/ H-PLANE)	80°
Vertical Half Power Beam Width (HPBW/ V-PLANE)	23°
Front to Back Ratio	15 dB
Downtilt	0°
Power Handling	20 W (cw)
Impedance	50 ohms
Connector	SMA female (built-in)
Extension Cable	3 m with SMA and RP-SMA connectors
Mounting Type	Window/ Wall

Physical & Environmental

Survival Wind Speed	180km/hr
Operating Temperature	-10°C to +55°C
Operating Humidity	95% @ 55°C
Color	White
Material	ABS, UV resistant
Weight	190g
Dimensions	330 (L) x 93 (W) x 20.7 (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.