

NETGEAR 18 dBi Patch Panel Directional Antenna - ANT24D18

NETGEAR 9 dBi Omni-Directional Antenna - ANT2409

NETGEAR 5 dBi Omni-Directional Antenna - ANT24O5

NETGEAR Antenna Cables

Note: For EU, use of any antenna requires careful planning and extra consideration to comply with EU emissions and health standards and regulations. It is recommended that a qualified professional installer service is consulted for site survey and proper installation. Antenna installation must comply with the maximum level authorized by each country.

● Optimize WLAN Range and Power

NETGEAR's line of antennas and accessories for 802.11b and 802.11g devices give you multiple options for maximizing the reach and performance of your wireless infrastructure devices. Every WLAN deployment value-priced is unique. When planning a network that incorporates wireless, varying facility sizes, construction materials, distance between transmission points and physical obstructions must be accounted for. With both directional and omni-directional antennas, low-loss cables, mounting hardware, and other accessories, installers can customize a value-priced wireless solution that meets the requirements of even the most challenging applications. All NETGEAR antennas are approved to work with the following NETGEAR models: FVM318, FWG114P, ME103, WG302 and WG602.

● 18 dBi Patch Panel Directional Antenna

The ANT24D18 indoor/outdoor directional* antenna provides a 3-in-1 solution for mixed applications in combination with an 802.11b or 802.11g access point or wireless router. One, it delivers extended access point range in a single floor environment ideally positioned in the corner of a building. Two, it functions point-to-point so that you can wirelessly connect LANs between buildings in a campus-type environment. Three, it provides multifloor transmission when placed on a ceiling, as the higher power output extends the range through typical flooring materials. Includes several mounting options (fixed wall, wall adjustable, and pole), cable sold separately.

*Directional: Concentrates transmit and receive radio-frequency energy into a cone, or beam, for higher signal strength and reception in a single direction.

● 9 dBi Indoor/Outdoor Omni-directional Antenna

The ANT2409 indoor/outdoor antenna provides extended point-to multi-point coverage for wireless 802.11b or 802.11g devices. Optimal for medium range indoor or outdoor point-to-multi-point applications. Included lightning arrestor (a \$90 value) helps prevent damage due to lightning-induced surges or static electricity in outdoor applications. Typically hung from crossbars of drop ceilings or on a rooftop, the waterproof and UV resistant ANT2409 includes wall and pole mounting materials for installation ease, antenna cable and grounding cable not included.

● 5 dBi Omni-directional Antenna

The ANT24O5 indoor omni-directional** antenna is designed to extend coverage of wireless 802.11b or 802.11g devices. This antenna is especially useful in optimizing coverage when you want to place your wireless access point or router out of plain view – in a wiring closet or above a ceiling pad. Locate this antenna at the top of a cubicle, on a ceiling, desktop or wall, where it is more receptive to radio signals. Ideal placement is on a wall, 2 m high, or on the ceiling facing the area to cover. Includes mounting brackets, cable sold separately.***

** Omni-directional: Radiates radio-frequency energy equally in all directions for widespread, all-points deployment.

***NETGEAR recommends use of antenna cable up to 5 m long with the ANT24O5 antenna.

● Low-loss Antenna Cables

NETGEAR low-loss antenna cables in various lengths with two reverse SMA connectors extend the length between NETGEAR wireless access points or routers and the external antenna without sacrificing range.



18 dBi Patch Panel Directional Antenna - ANT24D18

Technical Specifications

Description:	18 dBi Patch Panel Directional Antenna with reverse N female jack and reverse N to reverse SMA adapter
Typical Application:	Indoor/outdoor long range point-to-point connections
Maximum Outdoor Range¹:	15.8 km (~9.8 miles)
Frequency Range:	2.400 ~ 2.485 MHz
Gain²:	18 dBi
Beam Width:	Horizontal 60° Vertical 30°
Dimensions:	262.8 x 262.8 x 40 mm (10.35 x 10.35 x 1.58 in)
Weight:	1520 g/3.35 lbs.
Package Contents:	- 18 dBi Patch Panel Directional Antenna - ANT24D18 (cable required, sold separately) - Wall and ceiling mount brackets and hanging materials - One reverse N type to reverse SMA adapter - Installation guide - Warranty/Support information card
Warranty:	NETGEAR 2-year warranty



9 dBi Indoor/Outdoor Omni-directional Antenna - ANT2409

Technical Specifications

Description:	9 dBi Omni-directional Antenna with reverse N female connector
Typical Application:	Indoor/outdoor medium range point-to-multipoint connections
Frequency Range:	2400 ~ 2485 MHz
Gain²:	9 dBi
Polarization:	Vertical
Operating Temperature:	-30 to 80° C (-22 to 176° F)
Weight:	.9 kg/2 lbs.
Package Contents:	- Indoor/Outdoor 9 dBi Omni-directional Antenna - Lightning Arrestor - 2 meter low loss antenna cable (to connect antenna to the lightning arrestor) ANT2409 - Wall and pole mounting brackets and hanging materials - One reverse N/SMA Adapter - Installation guide - Warranty/Support information card
Warranty:	NETGEAR 2-year warranty



5 dBi Omni-directional Antenna - ANT24O5

Technical Specifications

Description:	5 dBi Omni-directional Antenna
Maximum Outdoor Range³:	790m (863.95 yds)
Frequency Range:	2400 to 2500 MHz
Gain:	5 dBi
Beam Width:	Horizontal 120° Vertical 110°
Dimensions:	99.2 x 53.9 x 27.5 mm (3.91 x 21.2 x 1.08 in.)
Weight:	55 g/.12 lb.
Package Contents:	- Indoor 5 dBi Omni-directional Antenna ANT24O5 (cable required, sold separately) - Ceiling/wall mount bracket - Installation guide - Warranty card/Support information card
Warranty:	NETGEAR 2-year warranty

NETGEAR Antenna Cables

Technical Specifications

Description:	Low-loss antenna cables with 2 reverse SMA connectors in various lengths			
Part Number:	ACC-10314-01	ACC-10314-02	ACC-10314-03	ACC-10314-04
Cable Length:	1.5 m (4.9 ft)	3 m (9.8 ft)	5 m (16.4 ft)	10 m (32.8 ft)
Maximum Cable Loss with Connectors:	1.4 dB	2.4 dB	3.7 dB	7.0 dB
Weight:	50 g (1.76 oz)	145 g (5.12 oz)	225 g (7.94 oz)	440 g (15.53 oz)
Attenuation:	0.21 dB/ft maximum or .659 dB/m maximum at 2.5 GHz			
Operating Temperature:	-40 to 75° C (-40 to 167° F)			
Minimum Bend Radius:	26 mm (1 in)			
Package Size:	450 x 280 x .12 mm (17.72 x 11.02 x .004 in)			
Warranty:	NETGEAR 2-year warranty			

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¹ Range estimation is based on two wireless nodes each with an ANT24D18 antenna attached, associating with each other at 11 Mbps under ideal line-of-sight conditions.

² Gain: A ratio of decibels to an isotropic antenna that is commonly used to measure antenna coverage.

³ Range estimation is based on two wireless nodes, each with an ANT24O5 antenna attached, associating with each other at 11 Mbps under ideal line-of-sight conditions.