



Push 'N' Connect

Gigabit switching for faster network performance

- Surf, email, stream HD video, on-line game, make Internet phone calls—simultaneously†
- Gigabit (1000 Mbps) wired ports means even faster network performance
- Wirelessly connect new devices easily and securely with Push 'N' Connect
- Automatically adjusts to the needs of Internet, voice, video and gaming applications (QoS)
- Use with a RangeMax Wireless-N Adapter and boost your performance and range

Features

- New Wireless-N technology delivers exceptional range and speed
- Gigabit Ethernet ports deliver ultra fast wired network connections
- Connect up to 4 other wired devices by using the built-in 4-port switch
- Advanced wireless security encryption protects your data
- Can be used as a wireless repeater to extend wireless range
- "Push 'N' Connect" wirelessly connects new devices easily and securely
 - No need to remember your security password
 - For use with other Push 'N' Connect supported devices
- Automatically checks for new router firmware versions for enhanced performance
- Supports WiFi Protected Setup (WPS) standard
- Easy setup with Smart Wizard® Installation CD

Choose from a complete line of NETGEAR products that are designed to meet your needs

Which is the Best Product for You?	RangeMax Next Wireless-N	RangeMax Dual Band Wireless-N <i>Avoids Interference</i>	RangeMax Wireless-N Gigabit
Coverage ¹	10x	10x	12x
Speed ¹	15x	15x	15x
Avoids interference	Better	Best	Better
No. of antennas	3 internal	8 internal	8 internal
No. of free channels	3	Up to 23	3
Surf the Internet, email and online chat	✓	✓	✓
Streaming music/radio	✓	✓	✓
Multiple PCs wirelessly connecting to the Internet	✓	✓	✓
Internet phone calls (VoIP)	✓	✓	✓
Heavy Internet usage	✓	✓	✓
Larger homes and multiple rooms	✓	✓	✓
Multiplayer gaming	✓	✓	✓
Simultaneous downloads, voice, music, VoIP streaming	✓	✓	✓
Networked entertainment and streaming HD video	✓	✓	✓
Networked or shared storage/ large file sharing	✓	✓	✓
Multiple HD videos and lag-free network gaming		✓	✓
Gigabit Ethernet Maximum wireless-to-wired network speeds			✓
Greater than 150 Mbps ¹ throughput from a PC or HD media server			✓

Maximum performance requires use with RangeMax Wireless-N adapters

RangeMax NEXT Wireless-N Notebook Adapter (WN5118/T) RangeMax NEXT Wireless-N PCI Adapter (WN3118/T) RangeMax NEXT Wireless-N USB 2.0 Adapter (WN111) RangeMax Dual Band Wireless-N USB Adapter (WNDA3100) Laptops with built-in Wireless-N

SPEED¹
UP TO

15x

COVERAGE¹
UP TO

10x

Gigabit Wired Ethernet

8 Internal Antennas Maximize Performance and Range



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Why use 8 internal antennas?

- Multiple antennas extend range and enhance transmission of wireless signals
- Internal antennas are protected from damage

System Requirements

- Broadband (cable, DSL) Internet service and modem with Ethernet connection
- 2.4 GHz 802.11n draft specification adapter or 2.4 GHz 802.11b/g wireless adapter. Alternatively, an Ethernet adapter and cable for each computer
- Microsoft® Windows® Vista™, XP, 2000, Me, Mac® OS, UNIX®, or Linux®
- Internet Explorer® 5.0
- We recommend using this product with RangeMax NEXT Wireless-N Adapters (WN511B/T, WN311B/T, WN121T)

Standards

- IEEE 802.11n draft specification, IEEE 802.11g, IEEE 802.11b, 2.4 GHz

Physical Specifications

- Dimensions: 225.5 x 172 x 39 mm (8.9 x 6.8 x 1.5 in)
- Weight: 0.56 kg (1.2 lb)

Ease of Use

- Smart Wizard® simplifies setup by automatically detecting and configuring your router for virtually all ISP connections

Security

- Double firewall:
 - Network Address Translation (NAT) to hide PCs and files from outside users
 - Stateful packet inspection (SPI) firewall to deny outside requests for personal information
- Denial-of-service (DoS) attack prevention
- Intrusion detection and prevention (IDS)
- WiFi Protected Access (WPA2-PSK, WPA-PSK)
- Wired Equivalent Privacy (WEP) 64-bit, 128-bit encryption for IEEE 802.11b and IEEE 802.11g
- Supports 2 VPN pass-through tunnels
- Wireless access control to identify authorized wireless network devices
- MAC address authentication
- Exposed host (DMZ) for secure gaming

Privacy and Parental Control

- Time-based usage controls
- Web site logging
- URL content filtering

Warranty

- NETGEAR 1-year Warranty

Package Contents

- RangeMax Wireless-N Gigabit Router (WNR3500)
- Stand
- Ethernet cable
- Setup CD
- 2V, 1.5A power adapter, localized to country of sale
- Warranty/support information card

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*Free basic installation support provided for 90 days from date of purchase. Advanced product features and configurations are not included in free basic installation support; optional premium support available.

¹Up to 15x more speed and 12x more coverage than Wireless-A. Maximum performance compared to Wireless-A, when used with related wireless adapters.

[†]Maximum wireless signal rate derived from IEEE standard 802.11 specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate. NETGEAR makes no express or implied representations or warranties about this product's compatibility with any future standards.

*"N", "Wireless-N" and "draft 802.11n" refer to compliance with IEEE 802.11n draft specification version 2.0 only.