



Push 'N' Connect

## Gigabit switching for faster network performance

- Built-in Ultra Fast 4-port Gigabit switch means even faster network performance
- Automatic Quality of Service (QoS) ensures reliable Internet, voice, video, and gaming applications
- Surf, email, stream HD video, on-line game, make Internet phone calls—simultaneously
- Easy secured setup with Push 'N' Connect using WiFi Protected Setup (WPS)
- Maximum performance requires use of Wireless-N adapters

## Features

- Built-in Ultra Fast 5-port Gigabit switch (1 WAN and 4 Gigabit Ethernet LAN Ports)
- Gigabit Ethernet ports deliver even faster wired speeds
- Higher wireless-to-wired network performance compared to 10/100 Ethernet routers
- Configurable as a wireless repeater for extending range
- Easy setup with Smart Wizard® Installation CD
- Double firewall protection from external hacker attacks
- Automatically upgrades to the latest router firmware
- Supports Windows® Vista™

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*	10x	10x	12x
Speed†	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		✓	✓
<b>Gigabit Ethernet</b> Maximum wireless-to-wired network speeds			✓
Greater than 150 Mbps* throughput from a PC or HD media server			✓

Maximum performance requires use with RangeMax Wireless-N adapters



RangeMax NEXT Wireless-N Notebook Adapter (WN511B/T)



RangeMax NEXT Wireless-N PCI Adapter (WN311B/T)



RangeMax NEXT Wireless-N USB 2.0 Adapter (WN111)



RangeMax Dual Band Wireless-N USB 2.0 Adapter (WNDA3100)



Laptops with built-in Wireless-N

**SPEED**  
UP TO  
**15x**  
**COVERAGE**  
UP TO  
**12x**  
**Gigabit Ethernet**

**8 Internal Smart Antennas**  
**Maximize Performance and Range**

**24/7**  
TECHNICAL SUPPORT\*

**Why 8 internal smart antennas?**

- Smart antenna technology adapts on-the-fly and selects the best antenna combination to transmit and receive
- Multiple directional antenna direct Wi-Fi signals, extending range and enhancing the reception of weak signals
- Internal antennas take the guesswork out of antenna setup

**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™ Premium 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.

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

<sup>†</sup>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.

<sup>‡</sup>"N", "Wireless-N" and "draft 802.11n" refer to compliance with IEEE 802.11n draft specification version 2.0 only.