

Experience the Next generation – up to 300Mbps wireless and Gigabit wired networking



- Built-in Ultra Fast 4-Port Gigabit Switch means even faster network performance
- Surf, email, stream HD video, on-line game, make Internet phone calls—simultaneously
- Easy set-up with Smart Wizard® installation CD
- Maximum performance requires use of RangeMax NEXT Wireless-N adapters

Features

- Built-in Ultra Fast 5-Port Gigabit Switch (1 LAN + 4 Gigabit Ethernet LAN Ports)
- Wired Gigabit delivers even faster wired + wireless-to-wired performance
- Advanced Wireless-N technology delivers exceptional range and speed
- Up to 15x the speed and 10x the coverage of Wireless-G technology†
- High-performance wireless perfect for multiple users and multimedia streaming
- Touchless WiFi Security makes securing your network easy
- Supports Windows® Vista™

Multiple smart internal antennas

- Pre-set internal antennas take the guesswork out of setup
- Pre-tuned for optimal wireless performance
- Protected from damage and misalignment

SPEED
15x
COVERAGE
10x
Maximum performance compared to Wireless-G when used with related wireless adapters

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

Which is the Best Product for You?	Wireless-G	Super-G™	RangeMax™	RangeMax™ NEXT Wireless-N	RangeMax™ NEXT Wireless-N Gigabit Edition
Speed†	1x	2x	10x	15x	15x
Coverage†	1x	4x	10x	10x	10x
Surfing the Internet	✓	✓	✓	✓	✓
Email and online chat	✓	✓	✓	✓	✓
Public hotspot compatible	✓	✓	✓	✓	✓
Streaming music	✓	✓	✓	✓	✓
Multiple PCs wirelessly connecting to the Internet	✓	✓	✓	✓	✓
Internet phone calls (VoIP)		✓	✓	✓	✓
Heavy Internet usage		✓	✓	✓	✓
Larger homes and multiple rooms			✓	✓	✓
Multimedia/video streaming			✓	✓	✓
Multiplayer gaming			✓	✓	✓
Simultaneous downloads, voice, music, VoIP streaming				✓	✓
Networked entertainment and streaming HD video				✓	✓
Networked or shared storage/ large file sharing				✓	✓
Gigabit Ethernet Maximum wireless-to-wired network speeds					✓
Greater than 150 Mbps† throughput from a PC or HD media server					✓

Maximum performance requires use with RangeMax NEXT 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 (WN121T)



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†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.



What is NETGEAR's RangeMax NEXT Wireless-N?

RangeMax NEXT extends the possibilities of your wireless home network by providing wireless speeds of up to 300Mbps. This next generation wireless standard utilizes advanced MIMO (Multi-In, Multi-Out) technology, which delivers incredible speed and range, and for the first time provides wireless interoperability at the highest speeds.

A RangeMax NEXT wireless network creates and maintains stable connections and enough bandwidth to surf the Internet, download MP3s, make Internet phone calls, share files, play network games, and stream high-definition videos, simultaneously† at any distance or location in the home or small office. Because RangeMax NEXT is compatible with all legacy b and g wireless products, you are sure to be connected.

Preset internal antennas provide maximum performance and high-quality streaming every time. Touchless WiFi Security makes creating the highest level of network security easy and includes WEP, WPA-PSK, or WPA2-PSK. Setup is simple thanks to NETGEAR's Smart Wizard® and 24/7 technical support*.

System Requirements

- Broadband (cable, DSL) Internet service and modem with Ethernet connection
- 2.4 GHz 802.11n draft specification adapter or 2.4 GHz 802.11 b/g wireless adapter. Alternatively, an Ethernet adapter and cable for each computer
- Microsoft® Windows® Vista, XP, 2000, 98, Me, Mac® OS, UNIX®, or Linux®
- Internet Explorer® 5.0
- We recommend using this product with the RangeMax NEXT Wireless-N Adapter (WN511T, WN311T, WN121T)

Standards

- IEEE802.11n draft specification, IEEE 802.11g, IEEE 802.11b, 2.4 GHz

Physical Specifications

- Dimensions: 8.9 x 6.8 x 1.5 in (225.5 x 172 x 39 mm)
- Weight: 1.2 lbs (.56 kg)

Ease of Use

- SmartWizard 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 Prevent (IDS)
- WiFi protected Access (WPA2- PSK, WPA- PSK)
- Wired Equivalent Privacy (WEP) 64-bit, 128-bit encryption for IEEE 802.11b and IEEE802.11g
- 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 NEXT Wireless-N Router Gigabit Edition (WNR854T)
- Stand
- Ethernet Cable
- Setup CD
- 12V 1.5A Power Adapter, localized to country of sale
- Warranty/Support Information Card

NETGEAR Related Products-Wireless

- Notebooks:
 - RangeMax NEXT Wireless-N Notebook Adapter (WN511T)
 - RangeMax NEXT Wireless-N USB 2.0 Adapter (WN121T)
- Desktops:
 - RangeMax NEXT Wireless-N PCI Adapter (WN311T)
 - RangeMax NEXT Wireless-N USB 2.0 Adapter (WN121T)
- Storage: Storage Central (SC101)
- Powerline: Powerline HD (HDXB101)

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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.

**Actual performance may vary due to operating conditions

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