



# WN311B

## RangeMax™ NEXt Wireless PCI Adapter

- *Help is there when you need it! NETGEAR provides, 24x7 technical support\* in English, with selected local language support during office hours.*

### Experience the NEXt generation – up to 270Mbps wireless networking

What does RangeMax™ NEXt Wireless PCI Adapter do?

- Complies with draft 802.11n†, backwards compatible and with 11b/g WiFi
- Delivers a Steady-Stream connection for your notebook computer at great range
- Interoperates at up to 270Mbps† with other products with Intensi-fi™
- Ensures maximum coverage and bandwidth with preset internal antennas

### What is RangeMax NEXt?

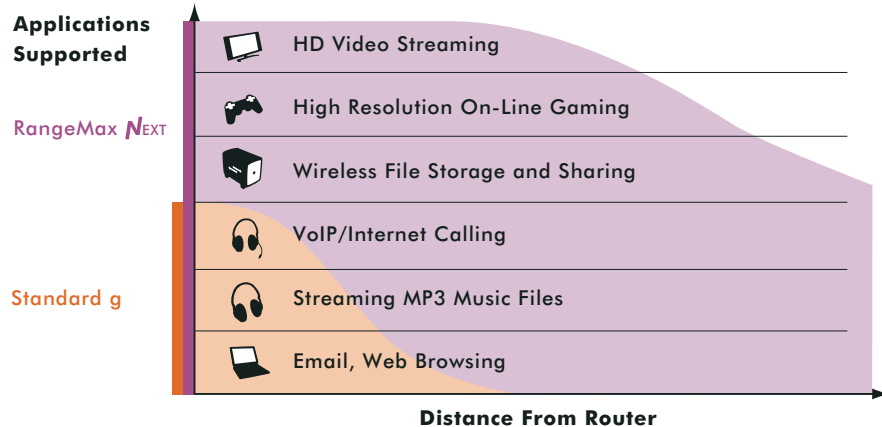
RangeMax NEXt extends the possibilities of your wireless home network by providing a Steady-Stream of up to 270Mbps, and is compliant with draft 802.11n†. This next generation wireless standard utilizes advanced MIMO (Multi-In, Multi-Out) technology, which delivers incredible speed and range, and for the first time provides wireless interoperability at the highest speeds with other products with Intensi-fi™.

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 and draft 11n-True-Test, high-performance testing and tuning, provides 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\*.

### This is Steady-Stream

Steady-Stream technology ensures you have enough streaming bandwidth to support all of your applications, all over your home, all at once.



		Standard G	RangeMax™	RangeMax™ NEXT
<b>Great for</b>	Broadband Internet sharing	◆	◆	◆
	Faster connections for multiple users		◆	◆
	Consistent speeds for streaming and transferring files		◆	◆
	Gaming, VoIP, file sharing and streaming HD-video simultaneously			◆
	Whole Home Coverage		◆	◆
<b>Key Features</b>	Draft 802.11n compliant†			◆
	Interoperable at 270Mbps speed with products with Intensi-fi			◆
	Steady-Stream connections			◆
	11n-True Test high-performance testing and tuning			◆
	Advanced MIMO technology - for speed and range		◆	◆
<b>Wireless Coverage</b>	Entire home or office		◆	◆
<b>Compatibility</b>	Public Hotspots, 802.11b/g, standard Wi-Fi, Built-in Laptop Wireless	◆	◆	◆
<b>Security</b>	Touchless WiFi - WEP and WPA / WPA2 - PSK	◆	◆	◆

### Compare the Advantages of the NEXT Generation in Wireless Connectivity

First, there was RangeMax, which improved on the wireless g standard's limitations in speed and coverage. Now, NETGEAR offers RangeMax NEXT, which gives consumers a new level of capabilities and transfer speeds, including the ability to play online games, use VoIP, download large files, and stream HD video — all simultaneously and with consistent speeds.

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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.

This product has been tested for quality assurance and this product or its components may have been recycled.

\* 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.

### System Requirements

- 2.4 GHz 802.11n draft specification wireless network or 2.4 GHz 802.11b/g wireless network
- Microsoft® Windows® 2000 SP4 or Windows XP
- Intel® Pentium®-class notebook PC of 300 MHz or higher with an available PC Card slot
- We recommend using this product with the RangeMax NEXT Wireless Router (WNR834B)

### Physical Specifications

- **Dimension:** 123 x 54 x 8.5 mm (4.84 x 2.13 x .33 in)
- **Weight:** 1.0oz (56g)
- **Wireless Speeds**
  - 802.11b: 1,2,5,5,11 Mbps
  - 802.11g: 6,9,12,18,24,36,48,54 Mbps
  - EWC/ 802.11n Draft: 6, 6.5, 13, 13.5, 19.5, 26, 27, 39, 40.5, 53, 54, 58.5, 65, 78, 81, 104, 108, 117, 121.5, 130, 135, 162, 216, 243, 270Mbps
  - Improves network performance up to 50% when used with legacy 802.11b/g wireless routers

### Standards

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

### Security

- WiFi protected Access (WPA2- PSK, WPA- PSK)
- Wired Equivalent Privacy (WEP) 64- bit, 128-bit encryption for IEEE 802.11b and IEEE802.11g

### Ease of Use

- SmartWizard simplifies setup by automatically detecting and configuring your router for virtually all ISP connections

### Warranty

- NETGEAR 1- year warranty

† "Draft-n Compliant" refers to compliance with IEEE 802.11n draft specification version 1.0 only.