



10x more speed and 10x more coverage than Wireless-G

- Ideal for surfing the Internet, streaming music and making Internet phone calls
- Extends your network coverage up to 10x more than Wireless-G†
- Easy set up with Smart Wizard® installation software
- Maximum performance requires use with NETGEAR RangeMax Wireless Router

Features

- Delivers consistent wireless connections—no more dropped connections or dead spots
- Provides enough bandwidth to support music downloads, file sharing and multimedia applications†
- Backward compatible with Wireless-G standard products
- Designed for your notebook PC
- Supports Windows® Vista™



Choose the NETGEAR product that is designed to meet your needs.

Which is the Best Product for You?	Wireless-G	RangeMax™
Speed†	1x	10x
Coverage†	1x	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		✓



1-888-NETGEAR (638-4327)
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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 RangeMax?

NETGEAR's RangeMax extends your wireless network coverage up to 10 times that of standard 802.11g due to an advanced Smart MIMO (Multi-In, Multi-Out) technology that incorporates seven intelligent internal antennas in a wireless router. The antennas continuously scan your home or office, automatically sensing obstacles and electronic interference, then dynamically adjust the wireless signal to compensate and maintain a clear connection.

RangeMax Wireless PC Card (WPN511), PCI Adapter (WPN311) and USB 2.0 Adapter (WPN111) are optimized for use with RangeMax Wireless Router (WPN824) so everyone enjoys high-speed connections in your home or office---with virtually no dropouts or dead spots.

Maximum performance achieved when used with RangeMax Wireless Router



Desktop PC connects with RangeMax Wireless PCI Adapter (WPN311) or RangeMax Wireless USB 2.0 Adapter (WPN111)



Laptop connects with RangeMax Wireless USB 2.0 Adapter (WPN111)



Laptop connects with RangeMax Wireless PC Card (WPN511)



RangeMax Wireless Router (WPN824)

System Requirements

- Notebook PC with Pentium 300 MHz compatible processor or higher
- Available CardBus PC Card Type II slot
- Microsoft® Windows® Vista™, XP, 2000

Physical Specifications

- Dimensions (l x w x h): 4.68 x 2.12 x .25 in (119 x 54 x 6 mm)
- Weight: 1.6 oz (46 g)

Network Speeds

- 1, 2, 5.5, 6, 9, 11, 12, 18, 24, 36, 48, 54 & 108 Mbps (auto rate capable)**

Modulation Type:

- OFDM with BPSK, QPSK, 16QAM, 64QAM, DBPSK, DQPSK, CCK

Encryption

- Hardware-based 40/64-bit & 128-bit WEP encryption
- WPA-PSK

Frequency

- 2.412 ~ 2.462 GHz (US)
- 2.412 ~ 2.472 GHz (Japan)
- 2.412 ~ 2.472 GHz (Europe ETSI)
- 2.457 ~ 2.462 GHz (Spain)
- 2.457 ~ 2.472 GHz (France)

Electromagnetic Compliance

- FCC Part 15 Class B

Warranty

- NETGEAR 1-year warranty

Package Contents

- RangeMax Wireless PC Card (WPN511)
- Setup CD
- Installation Guide
- Warranty/Support Information Card

NETGEAR Related Products: Wireless

- Notebooks
 - RangeMax USB 2.0 Adapter (WPN111)
- Desktops
 - RangeMax PCI Adapter (WPN311)
- Network
 - RangeMax Router (WPN824)
 - Super-G Wireless Router (WGT624)
 - Wireless-G Router (WGR614)



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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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