

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



- Wirelessly stream music, make Internet phone calls and surf the web faster and further
- Simple and secure way to share your high-speed Internet connection
- Easy set-up with Smart Wizard® installation CD
- Maximum performance requires use of RangeMax wireless adapters

Features

- 7 internal antennas scan for strongest signal path and adjusts to interference
- MIMO (Multi-In, Multi-Out) technology boosts network performance with up to 10x the speed and 10x the coverage of Wireless-G†
- High speed connections with virtually no dead spots
- Perfect for larger homes and small offices
- Compatible with internal wireless and public hotspots
- Double Firewall protection from external hackers attacks
- Supports Windows® Vista™


SPEED
10x
COVERAGE
10x

Maximum performance compared to Wireless-G, when used with related wireless routers


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™
Speed†	1x	4x	10x
Coverage†	1x	2x	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			✓


Maximum performance requires use with RangeMax Wireless Adapters



RangeMax Wireless
PC Card (WPN511)



RangeMax Wireless
PCI Adapter (WPN311)



RangeMax NEXT Wireless-N
USB 2.0 Adapter (WPN111)



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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 Wireless Router (WPN 824) 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. 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. You enjoy reliable high-speed connections with virtually no dropouts or dead spots.

Securing Your Network

Securing your wireless network has never been easier. NETGEAR's Touchless WiFi Security delivers the highest level of wireless network security (WEP, WPA/PSK, or WPA2/PSK). In addition, with an integrated security dashboard, you can monitor and manage access to websites. Every PC accessing the Internet can be managed from one central location. And, NETGEAR's Smart Wizard installation software makes setup easy.

System Requirements

- Broadband (cable, DSL) Internet service and modem with Ethernet connection
- 2.4 GHz 802.11 b/g wireless adapter. Alternatively, an Ethernet adapter and cable for each computer
- Windows® Vista™, XP, 2000, NT, Me, 98, Mac® OS, NetWare®, UNIX®, or Linux®
- Internet Explorer 5.0 or Netscape® 4.7 or higher
- We recommend using this product with RangeMax Wireless Adapters (WPN511, WPN311, WPN111)

Standards

- IEEE 802.11b, IEEE 802.11g, 2.4 GHz

Physical Specifications

- Dimensions: 8.8 x 6 x 1.2 in. (223 x 153 x 31 mm)
- Weight: 1.2 lbs (.5 kg)

Performance Advantages

- When used with RangeMax client adapters, delivers the longest range of any wireless technology on the market up to 500,000 square feet of uninterrupted coverage*
- Maintains video quality up to 10 times the effective speed when at long distances
- Improves performance of existing legacy 802.11b and 802.11g wireless devices up to 50%
- Five 10/100 (1 internet, and 4 LAN) ports equipped with auto-sensing technology
- Data speed of up to 108 Mbps*

Privacy & Parental Control

- "Trusted user" controls
- Time-based usage controls
- Web site logging
- Remote management
- URL content filtering

Security

- Double Firewall
- Network Address Translation (NAT) to hide PCs & 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)
- Wired Equivalent Privacy (WEP) 64-bit, 128-bit encryption
- Wi-Fi Protected Access (WPA, Pre-Shared Key)
- Wireless Access Control (SSID) to identify authorized wireless network devices
- Supports 2 VPN pass-through tunnels (IPSec, L2TP, PPTP)
- Exposed Host (DMZ)
- MAC address authentication

Warranty:

- NETGEAR 1-year warranty

Package Contents

- RangeMax Wireless Router (WPN824v2)
- 12V, 1.0A Power Adapter, localized to country of sale
- Ethernet Cable
- Vertical Stand
- Setup Guide, Setup CD
- Warranty/Support Information Card

NETGEAR Related Products

- Notebooks: Wireless
 - RangeMax PC Card (WPN511)
 - RangeMax USB Adapter (WPN111)
- Notebooks: Wired
 - PCMCIA Card (FA411)
 - CardBus (FA511)
- Desktops: Wireless
 - RangeMax PCI Adapter (WPN311)
 - RangeMax USB Adapter (WPN111)
- Desktops: Wired
 - Adapter (FA311)
 - USB 2.0 Adapter (FA120)
- Printers
 - Wireless: Print Server (WGPS606)
 - Wired: USB Print Server (PS121)
- Gaming Consoles:
 - Wireless: Wireless-G Game Adapter (WGE111)
 - Wired: Powerline Bridge (XE104 - US only)

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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

