NETGEAR®

R6300 Smart WiFi Router—AC1750 Dual Band Gigabit

Data Sheet

R6300

Performance & Use

- AC1750 WiFi—450+1300 Mbps† speeds
- Ultimate wireless coverage for large homes
- Ideal for homes with 12 or more WiFi devices
- NETGEAR genie® App—Enjoy more of your connected home

The NETGEAR Difference - R6300

- Beamforming+—Faster, more reliable connections
- Dual-Core 800 MHz processor delivers high-performance connectivity
- USB 3.0 port —Up to 10x faster USB hard drive access
- Two USB ports—Wirelessly access and share USB hard drive and printer
- Ultimate connectivity for dual band WiFi devices like iPad®/iPhone5®

Overview

The NETGEAR R6300 Smart WiFi Router with AC1750 dual band delivers the world's faster WiFi. With AC1750 WiFi and Gigabit Ethernet speeds, this router offers ultimate performance in wireless coverage for large homes with 12 or more wireless devices. The R6300 gets 3x faster access than similar 802.11n technology and more reliable streaming for home computers and WiFi mobile devices. The R6300 delivers the speed and reliability needed for applications such as smooth, lag-free multiple HD video streaming, multi-player gaming, ultra-fast speed and a secure and reliable connection to the Internet. The R6300 also includes NETGEAR genie® home network manager for easy installation and home network management.

Compatible with next-generation WiFi devices and backward compatible with 802.11 a/b/g/n devices, it enables HD streaming throughout your home. With up to 450+1300 Mbps† speed and simultaneous dual band WiFi technology, the R6300 avoids wireless interference, ensuring top WiFi speeds and reliable connections especially for dual band wireless devices like iPad® and iPhone5®. In addition, Beamforming+ technology boosts speed, reliability and range of WiFi connections. The dual-core 800 MHz processor delivers high-performance connectivity, while the USB 3.0 port provides up to 10x faster USB hard drive access.

BEAMFORMING+

For more reliable connections.

Beamforming+—For More Reliable Connections

- Focuses WiFi signals from the wireless router to WiFi devices like smartphones, tablets and laptops
- Automatic signal management checks with your device to keep WiFi signal at its optimal strength
- Designed for home environments to support multiple WiFi device connections for highest quality
- Extends WiFi coverage, reduces deadspots, and boosts signal strength

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GET IT ON Google play

Available on the App Store

NETGEAR genie® Home Networking Simplified

- Home network manager
- Makes any printer AirPrint® compatible to print from an iPad® or iPhone®
- MyMedia™—Find and play media files in your network
- EZ Mobile connect—Scan QR code to connect to your home network
- For PC, Mac®, iPhone®, iPad®, & Android devices

Speed

Speed makes HD video better. Speed makes online gaming awesome. Speed makes all your devices really go. And anyplace you need speed, with NETGEAR you got it. Extreme download speeds up to 450+1300 Mbps. Next generation 11ac WiFi with dual band technology providing whole home coverage with Gigabit wired and wireless connection. Everything you need for a fast, fast, fast connected home.

Ultimate WiFi Speed

WORLD'S FASTEST WIFI—Up to 450+1300 Mbps†

GIGABIT WIFI—Next-generation WiFi now at Gigabit speeds

GIGABIT WIRED—Ideal for HD gaming & video

WiFi Range

Homes come in all shapes and sizes. The NETGEAR R6300 Smart WiFi Router with additional high-power amplifiers provides WiFi connectivity throughout your home for all your Internet-enabled devices.

Ultimate WiFi Range

ULTIMATE RANGE—WiFi coverage throughout your home

Sharing

Relive memories and share them with others. Find photos, videos and music stored on a shared USB hard drive and enjoy them on your DLNA TV right from your couch. If it's secure and shared storage access you want NETGEAR has easy ways to do it.

With ReadySHARE® Printer, connect your USB printer to your router and print from any computer in your home, wirelessly. NETGEAR genie makes any printer AirPrint compatible to print from an iPad or iPhone.

Share & stream your movies, music, photos

DLNA®—Find & play your media on DLNA TVs & game consoles

READYSHARE® USB ACCESS—Wirelessly access & share USB hard drives via two (2) USB ports

READYSHARE PRINTER—Wirelessly access & share a USB printer

ONE SUPERSPEED USB 3.0 PORT—Up to 10x faster than USB 2.0

Reliable Connections

Stay connected—with your devices, your media, and your friends. Simultaneous dual band WiFi provides two separate WiFi networks—2.4GHz for legacy devices and 5GHz which is less interference-prone for media streaming. The advanced QoS technology provides higher priority for media streaming application for smoother HD video streaming and low-latency online gaming.

Enjoy high-performance connectivity throughout your home

- SIMULTANEOUS DUAL BAND—Reduces interference for better connections to more WiFi devices
- BEAMFORMING+—Boosts speed, reliability, & range of WiFi connections
- ADVANCED QoS—Optimized for smooth HD streaming & gaming

Ease Of Use

NETGEAR makes it easy to do more with your digital devices. Manage your network with genie® App—a personal, icon-based dashboard that can control and monitor all your devices. Or, use Push 'N' Connect to add devices to your WiFi network with a push of a button. And the simple browser-based installation with no CD makes router installation easy using an iPad, tablet, smartphone, or computer.

Simple network management

- EASY INSTALL—Easy setup for iPad®, tablets, smartphones & computers
- NETGEAR GENIE® APP—Personal dashboard to monitor, control & repair your home network
- PUSH 'N' CONNECT—Easy push button WiFi connections (WPS)
- WIFI & POWER ON/OFF—Convenient power savings

Security

Keep your Internet browsing experience safe and secure with the free parental controls. It allows you to limit access to certain web sites at certain times. For example, no social networking or gaming site access after dinner time. Guest networks create a completely separate WiFi network for your guests' devices so they do not have access to your home network or to the shared USB hard drive with all your personal data. Secure WiFi connections offer high level WPA/WPA2 security.

Safeguard your network

- PARENTAL CONTROLS—Web filtering for all your connected devices
- GUEST NETWORK ACCESS—Separate & secure access for guests
- SECURE WIFI CONNECTIONS—High level wireless security with WPA/WPA2

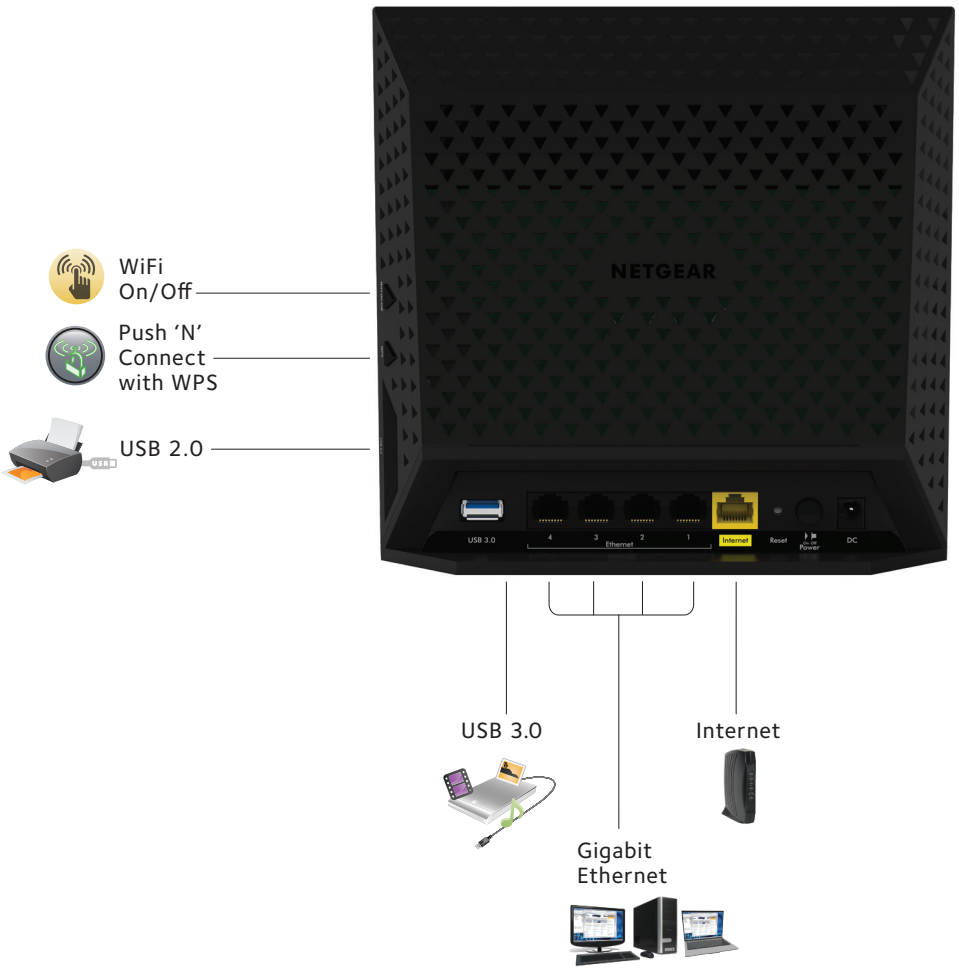
Applications

With the R6300 Smart WiFi Router create a powerful home network for applications such as lag-free multiple HD streaming, multi-player online gaming, ultra-fast, reliable connection to the Internet and a secure wireless connection.

Ideal uses

- EMAIL, CHAT, SURF, MUSIC, VIDEO—Enjoy a fast, reliable and secure wireless connection to the Internet
- ONLINE GAMING—Optimized for multi-player with no lags
- HD STREAMING—Enjoy high-quality HD streaming
- MULTIPLE HD STREAMING—Optimized for a smooth, lag-free multiple HD streaming experience

Connection Diagram



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Package Contents

- R6300v2 Smart WiFi Router
- Ethernet cable
- Quick install guide
- Power adapter, localized to country of sale

Physical Specifications

- Dimensions: 191 x 198.5 x 65 mm (7.5 x 7.79 x 2.55 in)
- Weight: 430 g (0.94 lb)

Warranty

- Warranty localized to country of sale

Support

- 24/7 basic technical phone support for 90 days from date of purchase

Technical Specifications

- Simultaneous Dual Band WiFi—2.4 & 5 GHz
- Beamforming+—Smart, signal-focusing technology boosts the speed, reliability, & range of your WiFi connections
- Push 'N' Connect—Easy push button WiFi connections (WPS)
- WiFi Transmitters/Receivers (Tx/Rx) - 3x3 (2.4GHz) + 3x3 (5GHz)
- Powerful dual-core 800 MHz processor
- WiFi Boost with high-powered radio amplifiers
- Memory: 128 MB flash and 256 MB RAM
- Advanced Quality of Service (QoS)
- IPv6 support (Internet Protocol Version 6)

Standards

- Two (2) USB ports—one USB 3.0 and one USB 2.0 port
- IEEE® 802.11 b/g/n 2.4 GHz
- IEEE 802.11 a/n/ac 5.0 GHz
- Five (5) 10/100/1000 (1 WAN and 4 LAN) Gigabit Ethernet ports with auto-sensing technology

System Requirements

- Microsoft® Windows 7, 8, Vista®, XP®, 2000, Mac OS®, UNIX®, or Linux®
- Microsoft® Internet Explorer® 5.0, Firefox® 2.0, Safari® 1.4, or Google Chrome™ 11.0 browsers or higher
- Use laptop with 3x3 450 Mbps adapter like Centrino® 6300/5300, or 802.11ac adapter like NETGEAR A6200 for maximum performance

Security

- WiFi Protected Access® (WPA/WPA2—PSK)
- Double firewall protection (SPI and NAT firewall)
- Denial-of-service (DoS) attack prevention

This product is packaged with a limited warranty, the acceptance of which is a condition of sale. This product has been tested for quality assurance and this product or its components may have been recycled.

†Maximum wireless signal rate derived from IEEE standard 802.11 specifications. Actual data throughput and wireless coverage will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate and wireless coverage. Up to 1300 Mbps wireless speeds achieved on AC1750 when connecting to other 802.11ac 1300 Mbps devices. NETGEAR makes no express or implied representations or warranties about this product's compatibility with any future standards.

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