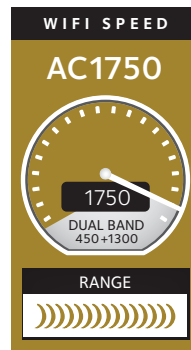




Performance & Use



- AC1750 WiFi—450+1300 Mbps[†]
- Eliminate monthly rental fees—Up to \$120 per year¹
- DOCSIS 3.0 16x faster cable Internet speeds—up to 680 Mbps[†]
- Ideal for XFINITY® Blast/Extreme and Spectrum® Internet plans
- Works with cable Internet providers like XFINITY® from Comcast, Spectrum®, Cox®, Cablevision & more



¹Based on a typical monthly equipment rental fee of \$10 per month.

Overview

Get 16 times faster download speeds, up to 680 Mbps[†], with this 2-in-1 AC1750 WiFi router and integrated DOCSIS® 3.0 cable modem. It is CableLabs® certified to work with all major cable Internet providers such as XFINITY® from Comcast, Spectrum®, Cox®, Cablevision and more.

The NETGEAR Difference - C6300

- Ultra-fast cable Internet speeds up to 680 Mbps[†]
- Compatible with current and next generation WiFi devices
- High-performance Intel® Puma™ 6 processor supports 16 download & 4 upload channels for efficient & reliable Internet access
- Fast self-activation for XFINITY customers—get connected without a service call

Fast Cable Internet Access

- Up to 680 Mbps[†] download and upload speed for streaming HD videos, faster downloads, and high-speed online gaming
- Compatible with U.S. cable Internet providers (ISPs) like XFINITY® from Comcast, Spectrum®, Cox®, Cablevision and more
- DOCSIS® 3.0 is 16 times faster than DOCSIS 2.0 devices
- Saves money—No monthly equipment charges required from your Internet service provider
- Gigabit Ethernet ports—Fastest wired speeds to connect your router or computer

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. Fast download speeds up to 680 Mbps†. WiFi technology provides whole home coverage. Everything you need for a fast, connected home.

Ultimate WiFi Speed



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



DOCSIS® 3.0—Up to 16 times faster cable Internet speeds than 2.0



CHANNEL BONDING—Fastest Cable Internet speeds during peak hours



GIGABIT WIRED—Ideal for HD gaming & video streaming



GIGABIT WiFi—Next generation WiFi now at Gigabit speeds

Reliable Connections

Stay connected—with your devices, your media, and your friends. Simultaneous dual band reduces interference.

Enjoy better connectivity throughout your home



SIMULTANEOUS DUAL BAND—Reduces interference for better connections to more WiFi devices

WiFi Range

Homes come in all shapes and sizes. The NETGEAR AC1750 WiFi Cable Modem Router provides the best 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. Enjoy photos, videos and music stored on a shared USB hard drive. If it's secure and shared storage access you want, NETGEAR has easy ways to do it.

Share & stream your movies, music, photos



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



READYSHARE® USB ACCESS—Wirelessly access & share USB hard drive via the USB port

Ease of Use

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



PUSH 'N' CONNECT—Easy push button WiFi connections (WPS)



WIFI & POWER ON/OFF—Convenient power savings

Security

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



GUEST NETWORK ACCESS—Separate & secure access for guests



SECURE WIFI CONNECTIONS—High level wireless security with WPA/WPA2

Applications

With the AC1750 WiFi Cable Modem Router create a better home network for applications such as online gaming, a 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 gaming with no lags



HD STREAMING—Enjoy high-quality HD streaming

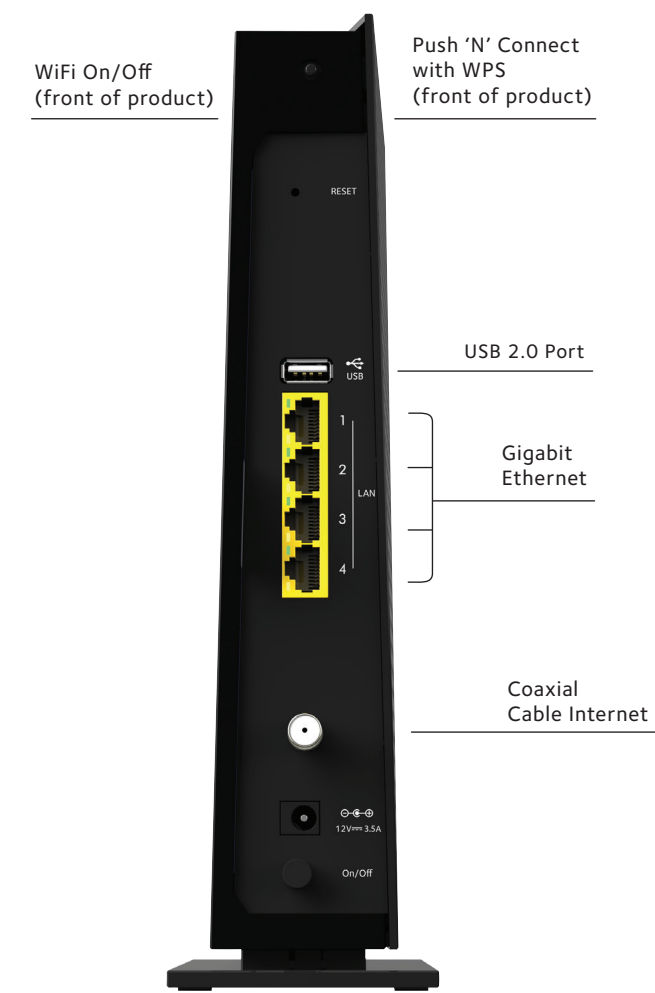


MULTIPLE HD STREAMING—Optimized for a smooth, lag-free multiple HD streaming experience



Works with cable Internet providers like XFINITY® from Comcast, Spectrum®, Cox®, Cablevision & more (not compatible with Cable bundled voice services). Please check your cable Internet service provider web site for data speed tier compatibility.

Connection Diagram



PACKAGE CONTENTS

- AC1750 WiFi Cable Modem Router (C6300)
- Ethernet cable
- Quick install guide
- Power adapter

PHYSICAL SPECIFICATIONS

- Dimensions: 10.94 x 6.85 x 2.96 in
- Weight: 1.52 lb

WARRANTY

- www.netgear.com/warranty

SECURITY

- Wi-Fi Protected Access® (WPA/WPA2—PSK)
- Double firewall protection (SPI and NAT firewall)
- Denial-of-Service (DoS) attack prevention
- Push 'N' Connect—Easy push button WiFi connections (WPS)

ADVANCED FEATURES

- Designed to meet DOCSIS 3.0 specifications and backward compatible with DOCSIS 2.0 devices
- Channel bonding technology delivers fast download and upload speeds – up to 680 Mbps[†]
- IPv6 next generation Internet addressing support
- Four Gigabit Ethernet ports with auto-sensing technology

TECHNICAL SPECIFICATIONS

- Built-in high-speed 16x4 CableLabs® certified DOCSIS® 3.0 Modem
- 16 downstream & 4 upstream channels
- AC750 WiFi Simultaneous Dual Band WiFi—2.4 & 5GHz
- WiFi Transmitters/Receivers (Tx/Rx)—3x3 (2.4GHz) + 3x3 (5GHz)
- WiFi Boost with high-powered radio amplifiers
- Memory—128 MB flash and 256 MB RAM
- 600MHz Intel® Puma™ 6 processor
- IPv6 Supported (Internet Protocol Version 6)

SYSTEM REQUIREMENTS

- Cable broadband Internet service
- Check your cable Internet service provider web site for data speed tier compatibility
- Microsoft® Windows® 7, 8, 10, Vista®, XP®, 2000, Mac OS®, or other operating systems running a TCP/IP network
- 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 for maximum performance
- Use with an 802.11ac adapter like NETGEAR A6200 for maximum performance

STANDARDS

- One (1) USB 2.0 port
- One (1) coaxial port for cable Internet
- IEEE® 802.11 b/g/n 2.4GHz
- IEEE® 802.11 a/n/ac 5GHz
- Four (4) 10/100/1000 LAN Gigabit Ethernet ports with auto-sensing technology



This product comes with a limited warranty that is valid only if purchased from a NETGEAR authorized reseller.

*90-day complimentary technical support following purchase from a NETGEAR authorized reseller.

[†]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. NETGEAR makes no express or implied representations or warranties about this product's compatibility with any future standards. 802.11ac 1300 Mbps is approximately 3x faster than 802.11n 450 Mbps. Up to 1300 Mbps wireless speeds achieved when connecting to other 802.11ac 1300 Mbps devices.

[‡]Maximum rate is derived from DOCSIS® 3.0 specifications and actual throughput will vary depending on the MSO provisioning and speed tier subscription. Check your cable Internet service provider web site for data speed tier compatibility. NETGEAR makes no express or implied representations or warranties about this product's compatibility with any future standards.

Customer-owned modems may not be compatible with certain cable networks. Please check with your cable provider to confirm this NETGEAR modem is allowed on your cable network. This product is not compatible with Cable bundled voice services.

For indoor use only.

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Federal Communication Commission Interference Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

For operation within 5.15 ~ 5.25GHz frequency range, it is restricted to indoor environment. This device meets all the other requirements specified in Part 15E, Section 15.407 of the FCC Rules.

Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 25cm between the radiator & your body.