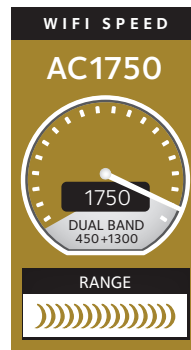




Performance & Use



- AC1750 WiFi—450+1300 Mbps[†]
- Cable modem download speeds up to 680 Mbps[†]—16 times faster than DOCSIS® 2.0
- Eliminate monthly rental fees
- Works with cable Internet providers like Cablevision, Charter, Cox, Time Warner Cable®, XFINITY® & more



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 Cablevision, Charter, Cox, Time Warner Cable®, XFINITY® 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 simultaneously
- NETGEAR® genie® App—Home network manager
- Live Parental Controls

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 Cablevision, Charter, Cox, Time Warner Cable®, XFINITY® and more
- DOCSIS® 3.0 is 16 times faster than DOCSIS 2.0
- Saves money—No monthly equipment charges required from your Internet service provider
- Gigabit Ethernet ports—Fastest wired speeds to connect your router or computer



NETGEAR genie® Home Networking Simplified

- Home network manager
- MyMedia™—Find & play media files in your network
- Turbo Transfer—share files within your home network between PC, Mac® or Android™
- 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. 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



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

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, ensuring 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 the highest level of 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—Highest 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

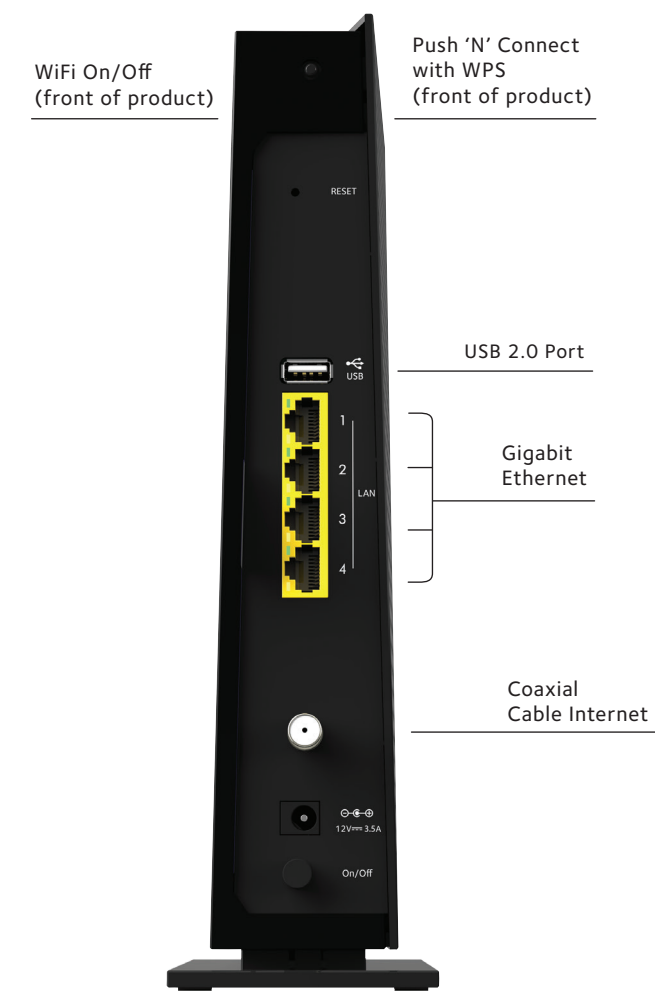


HD STREAMING—Enjoy high-quality HD streaming



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

Connection Diagram



AC1750 WiFi Cable Modem Router

Data Sheet

C6300

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

- Warranty localized to country of sale

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 networks
- Fast download and upload speed - up to 680 Mbps[†]
- IPv6 next generation Internet addressing support
- Four Gigabit Ethernet ports with auto-sensing technology

TECHNICAL SPECIFICATIONS

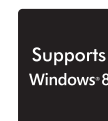
- Built-in high-speed 16x4 CableLabs® certified DOCSIS® 3.0 Modem
- Simultaneous Dual Band WiFi—2.4 & 5GHz
- WiFi Transmitters/Receivers (Tx/Rx)—3x3 (2.4GHz) + 3x3 (5GHz)
- WiFi Boost with high-powered radio amplifiers
- Memory—128 MB flash and 256 MB RAM
- 600MHz Intel® Puma™ 6 processor
- IPv6 Supported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

SYSTEM REQUIREMENTS

- Cable broadband Internet service
- Microsoft® Windows® 7, 8, 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



*24/7 basic technical phone support provided for 90 days from purchase date.

[†]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 your Internet subscription with your provider.

NETGEAR makes no express or implied representations or warranties about this product's compatibility with any future standards. 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. For indoor use only.

This product is packaged with a limited warranty, the acceptance of which is a condition of sale.

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