

Performance & Use

- AC1600 WiFi—300+1300Mbps†
- DOCSIS® 3.0 16x faster cable Internet speeds—up to 680Mbps†
- Eliminate monthly rental fees—Save up to \$168 a year**
- Certified with Xfinity with speeds up to 200Mbps, Spectrum service of 300Mbps, and with Cox service speeds of 150Mbps.



Overview

Get 16 times faster download speeds with this 2-in-1 AC1600 WiFi router and integrated DOCSIS 3.0 cable modem for streaming HD videos, faster downloads, and high-speed online gaming. Certified with XFINITY with speeds up to 200Mbps, Spectrum service of 300Mbps, and with Cox service speeds of 150Mbps.

The NETGEAR Difference - C6250

- Save up to \$168 per year by eliminating monthly cable modem rental fees**
- Ideal for Internet speed up to 300Mbps†
- Compatible with current and next generation WiFi devices
- Supports 16 download & 4 upload channels for efficient & reliable Internet access
- This product does not support home phone services from cable providers.
- 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
- Save money over time by owning your cable equipment and avoiding monthly rental charges from your Internet provider—up to \$168 per year**
- 16 downstream & 4 upstream channels providing efficient and reliable Internet access
- Two Gigabit Ethernet ports—Fastest wired speeds to connect your router or computer

NIGHTHAWK APP

The NETGEAR Nighthawk® App makes it easy to set up your cable modem router and get more out of your WiFi.*

- Pause Internet
- Traffic Meter
- Guest Networks
- Device Manager



**Savings shown may vary by cable service providers.

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 680Mbps[†]. WiFi technology provides whole home coverage. Everything you need for a fast, connected home.



FASTEST WiFi—Up to 300+1300Mbps[†]



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



CHANNEL BONDING—Fastest cable Internet speeds during peak hours



GIGABIT WiFi—Net generation Wii now at Gigabit speeds



GIGABIT WIRED—Ideal for HD gaming & video streaming

Reliable Connections

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



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

WiFi Range

Homes come in all shapes and sizes. The NETGEAR AC1600 WiFi Cable Modem Router provides the best WiFi connectivity throughout your home for all your Internet-enabled devices.



RANGE—For medium-sized homes

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.



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.



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



The Nighthawk[®] App makes it easy to set up your cable modem Router and get more out of your WiFi.*

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.



GUEST NETWORK ACCESS—Separate & secure access for guests



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

ISP

Works with US Cable Internet Providers Xfinity[®] from Comcast, Spectrum[®], Cox[®] & more (not compatible with Cable bundled voice services).

Connection Diagram



USB 2.0
Port

Gigabit
Ethernet

Coaxial
Cable Internet

Package Contents

- AC1600 WiFi Cable Modem Router (C6250)
- Ethernet cable
- Quick install guide
- Power adapter

Physical Specifications

- Dimensions: 7.68 x 7.79 x 2.52 in
- Weight: 1.2 lb

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
- Two (2) 10/100/1000 LAN Gigabit Ethernet ports with auto-sensing technology

Advanced Features

- Designed to meet DOCSIS 3.0 specifications and backward compatible with DOCSIS 2.0 devices
- Fast download and upload speed—16x4 Channel Bonding enables 680Mbps[†] download
- IPv6 next generation Internet addressing support
- Two Gigabit Ethernet ports with auto-sensing technology
- Nighthawk® App—Get more from your WiFi Easily set up your router, manage your network from anywhere, pause the Internet on any device, track your Internet data usage, and more.

Technical Specifications

- Built-in high-speed 16x4 DOCSIS® 3.0 Modem
- 16 downstream & 4 upstream channels
- AC1600 WiFi Simultaneous Dual Band WiFi—2.4 & 5GHz
- WiFi Transmitters/Receivers (Tx/Rx)—2x2 (2.4GHz) + 3x3 (5GHz)
- WiFi Boost with high-power radio amplifiers
- Memory—128 MB flash and 256 MB RAM
- 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
- Not compatible with Cable bundled voice services

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)[‡] Denial-of-Service (DoS) attack prevention
- Push 'N' Connect—Easy push button WiFi connections (WPS)



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

* Nighthawk app support may vary based on your cable service provider.

**Savings shown may vary by cable service providers.

[†]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. Up to 1300Mbps wireless speeds achieved when connecting to other 802.11ac 1300Mbps 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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