

NIGHTHAWK®Nighthawk® X4S-AC3200 WiFi
Cable Modem Router

DOCSIS® 3.1

Up to 10Gbps[†]Ultra-Fast Cable
Internet Speed

xfinity

Spectrum

COX®

Performance & Use

- AC3200 WiFi—Up to 3.2Gbps
- 1.5GHz dual-core processor speed boosts performance for streaming & gaming
- Two-in-one—DOCSIS® 3.1 Cable Modem + WiFi Router
- Supports multi-Gig Internet speeds
- Save up to \$168 per year by eliminating monthly cable modem rental fees**
- Works with all speed tiers, ready for the fastest Internet speeds available
- 32x8 channel bonding for all DOCSIS 3.0 speed tiers
- Beamforming+ for whole home HD coverage
- Works with cable Internet providers like XFINITY® from Comcast, Spectrum®, Cox® and more

[†]Savings shown may vary by cable service providers.

NETGEAR®

NIGHTHAWK®

Nighthawk® X4S–AC3200 WiFi Cable Modem Router

WiFi Cable Modem Router

- Two-in-one—Ultra-high speed DOCSIS® 3.1 Cable Modem + Nighthawk® X4S WiFi Router
- DOCSIS® 3.1 is 10X faster than DOCSIS® 3.0†
- No equipment rental fees—Save up to \$168 per year**
- 32x8 channel bonding technology enables extreme cable Internet speeds
- OFDM/OFDMA 2x2 enables Gigabit Internet speeds
- Works with all speed tiers, ready for the fastest Internet speeds available
- Works with cable Internet providers like XFINITY® from Comcast, Spectrum®, Cox® and more

Streaming & Gaming

- 3.2Gbps WiFi speed delivers multiple HD videos with ease
- Quad-stream WiFi—Enjoy multiple videos simultaneously
- ReadySHARE® Vault PC software automatically backs up to USB hard drive connected to the router
- Connect USB 3.0 storage devices to store & stream your own media
- Find & play your stored media on TVs and game consoles using the built-in DLNA®-ready server

Mobile

- Powerful amplifiers and four high-performance external active antennas increase WiFi range
- Turbo Transfer allows sharing of files between PC, Mac® or Android® devices
- Beamforming+—Focuses WiFi signals for stronger more reliable connections on 2.4 and 5GHz bands

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NIGHTHAWK®

Nighthawk® X4S–AC3200 WiFi Cable Modem Router

Speed

Get the fastest WiFi currently available on WiFi cable modem routers & enjoy a blazing-fast, lag-free WiFi experience for gaming, video streaming or surfing.



EXTREMELY FAST WIFI—Up to 1.9Gbps combined WiFi speed for extreme gaming and streaming



DOCSIS® 3.1—Up to 10 times faster than DOCSIS 3.0



CHANNEL BONDING—Extremely fast cable Internet speeds during peak hours



GIGABIT WIFI—Next-generation WiFi now at Gigabit speeds



GIGABIT WIRED—Ideal for HD gaming & video



PROCESSOR—Powerful 1.5GHz dual-core processor boosts wireless, wired, and WAN-to-LAN

WiFi Range

Homes come in all shapes & sizes & Nighthawk X4S AC3200 WiFi Cable Modem Router provides WiFi coverage no matter where you connect in your home.



ULTIMATE RANGE—WiFi coverage throughout very large homes



BEAMFORMING+—Boosts speed, reliability, & range of WiFi connections



ANTENNAS—High-power amplifiers & external active antennas

Sharing

With NETGEAR, sharing across your network is fun & easy, such as accessing stored data, media, photos & music.



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



READYSHARE® USB—Share your USB hard drive with two 3.0 USB ports

Reliable Connections

There's nothing more frustrating than dropped connections! With NETGEAR's advanced features & best-in-class technology, you'll reduce interference & enjoy more reliable WiFi connectivity.



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



BEAMFORMING+—Boosts speed, reliability, & range of WiFi connections

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Ease of Use

Start enjoying your new device faster than ever. NETGEAR wants to make sure installation & management is simple & easy, so you can connect quickly & make sure you stay that way!



EASY INSTALL—Easy setup for iPad®, tablets, smartphones & computers



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



WIFI ON/OFF—Convenient power savings

Security

Maintain high security across your network to help ensure your privacy & family is safe while online. Whether it's preventing phishing & spyware or just limiting access for kids & guests,



PARENTAL CONTROLS—Web site filtering for all your connected devices

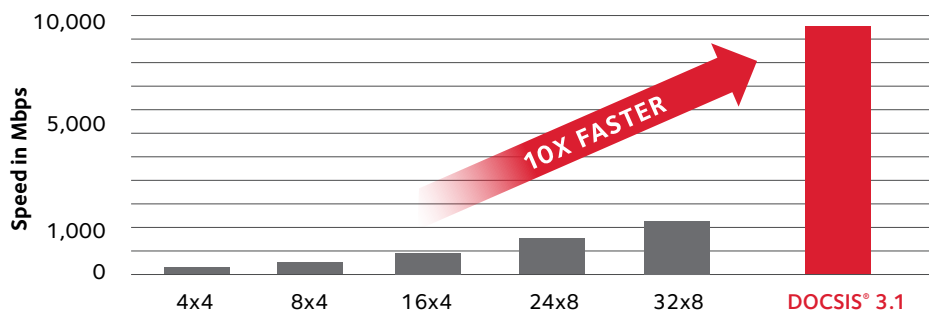


GUEST NETWORK ACCESS—Separate & secure access for guests



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

DOCSIS® SPEEDS



WHY DOCSIS® 3.1 TECHNOLOGY

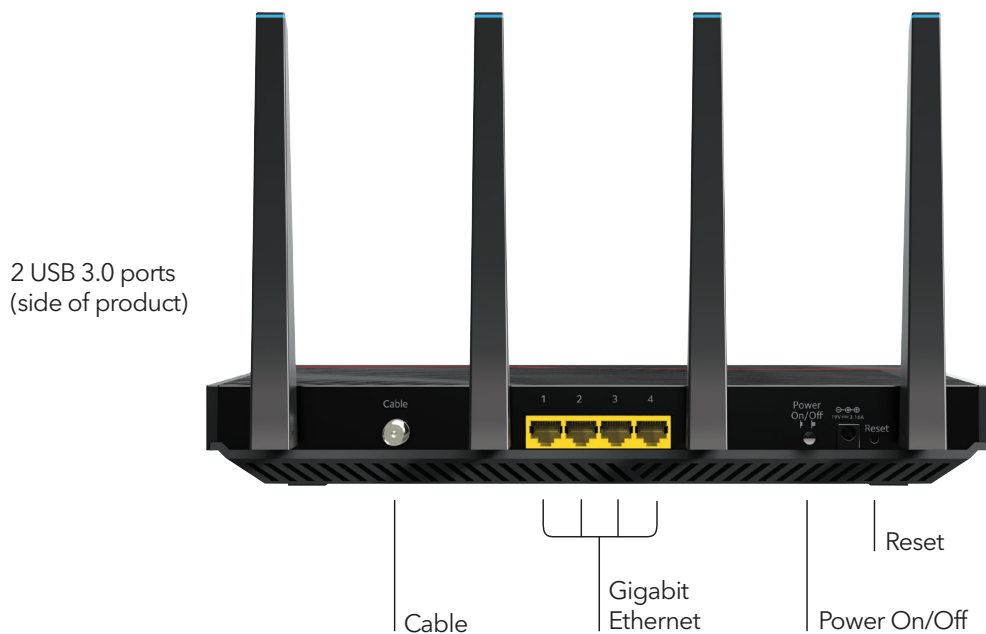
- More speed—Supports up to 10Gbps+
- Increases the uplink speed to the cloud for critical uploads like security camera feeds and photos
- Improves stability and reliability of your Internet connection
- More energy efficient

Beamforming+—For More Reliable Connections

Unlike typical WiFi routers that just blast the WiFi signals in all directions, with Beamforming+ the router & device communicate with each other, so the router can directly beam the WiFi signal to the device. Boosting speed, reliability, and range for both Implicit and Explicit 2.4 & 5GHz WiFi devices, the result is a stronger, faster, more reliable connection that is locked in even when the device is moved around the home.

- WiFi Signal Focus—Focuses signals from the wireless router to WiFi devices like smartphones, tablets & laptops
- Automatic Signal Management—Checks with your device to keep WiFi signal at its optimal strength
- Device Connections—Designed for home environments to support multiple WiFi device connections for highest quality
- WiFi Coverage—Reduces dead spots, & boosts signal strength
- Implicit & Explicit Beamforming boosts speed, reliability & range for both 2.4 & 5GHz WiFi devices—an industry first

Connection Diagram



NIGHTHAWK®

Nighthawk® X4S–AC3200 WiFi Cable Modem Router

Package Contents

- Nighthawk® X4S AC3200 WiFi Cable Modem Router (C7800)
- Ethernet cable
- Quick Start Guide
- Power adapter

Physical Specifications

- Dimensions: 12.4 x 10.4 x 7.5 in
- Weight: 3.15 lb

Standards

- Two (2) USB 3.0 ports
- IEEE® 802.11 b/g/n 2.4 GHz + 1024-QAM support
- IEEE® 802.11 a/n/ac 5GHz
- Four (4) 10/100/1000Mbps–(4 LAN) Gigabit Ethernet ports

Technical Specifications

- Built-in high-speed DOCSIS® 3.1 Cable Modem compatible with 32x8 DOCSIS® 3.0
- 32 downstream & 8 upstream SC-QAM channels
- 2 OFDM downstream and 2 OFDMA upstream channels for faster, more clear data streaming
- AC3200 (1000Mbps @2.4GHz with 1024-QAM support + 2200Mbps @5GHz 11ac)†
- Simultaneous dual-band WiFi–Tx/Rx 4x4 (2.4GHz) + 4x4 (5GHz)
- Beamforming+–Focuses WiFi signals for stronger more reliable connections on 2.4 and 5GHz bands
- Powerful dual-core 1.5GHz processor
- Memory: 128MB flash and 512MB RAM
- Four (4) high-performance active antennas –Enhance weak signals & reduce interference with a patent pending design
- Two (2) USB 3.0 ports–Connect storage devices to store & stream your own media
- Four (4) Gigabit Ethernet LAN ports–Connect more wired devices
- IPv6 Support (Internet Protocol Version 6)
- ReadySHARE® USB–Share your USB hard drive
- ReadySHARE® Vault–Free software for automatic PC backup to USB hard drive connected to the router
- Enhanced Parental Controls–Manage website access by family member and device

System Requirements

- Cable broadband Internet service
- Please check your Cable Internet service provider web site for data speed tier compatibility and to ensure it provides DOCSIS® 3.1 service, otherwise this modem will only work as a DOCSIS® 3.0 modem
- Not compatible with Cable bundled voice services

Security

- Customized free URL to set up personal FTP server
- Guest network access–Separate & secure
- Standards-based WiFi Security (802.11i, 128-bit AES encryption with PSK)
- Double firewall protection (SPI and NAT)
- Denial-of-service (DoS) attack prevention

Warranty

- www.netgear.com/warranty

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

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

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† 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, interference, and building construction may lower actual data throughput and wireless coverage. NETGEAR makes no express or implied representations or warranties about this product's compatibility with any future standards. Up to 3200Mbps wireless speeds achieved when connecting to other 802.11ac 3200Mbps devices.

‡ Maximum rate is derived from DOCSIS® 3.1 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. 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 not compatible with Cable bundled voice services.

Intended for indoor use only.

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