NIGHTHAWK®

NIGHTHAWK

xfinity COX.

Leading the New Era of WiFi 6

Experience a new generation of WiFi 6 router with a built-in DOCSIS® 3.1 cable modem that delivers blazing-fast Multi-Gigabit Internet. With link aggregation,

2.5Gbps Ethernet port, and 4 times the capacity to handle more WiFi devices, the Nighthawk® Multi-Gigabit speed Cable Modem router delivers a truly next level

experience without limitations. Eliminate monthly cable modem rental fees and save up to $156 per year**.

NETGEAR®

Nighthawk® AX8/8-Stream
WiFi 6 Cable Modem Router

Why DOCSIS® 3.1

With DOCSIS® 3.1 compatible NETGEAR cable modems, you can take advantage of the fastest cable internet speeds available today and still be ready for tomorrow when their service plan upgrades to higher speed tiers.

Your Internet speeds at a whole new level

Indulge in the ultimate download and upload speeds with top speeds of up to 10,000 Mbps (that's 10Gbps fast)‡.

More speed to more devices

Gigabit Internet speeds combined with the fastest WiFi available means all of your devices will surf, stream, & game at lightning fast speed.
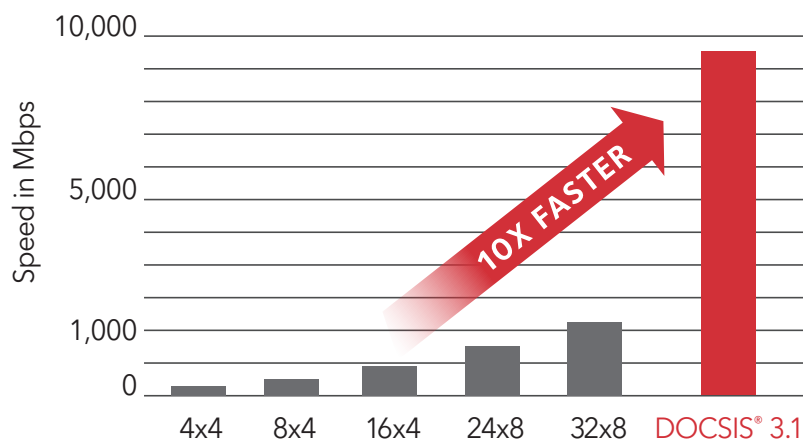
DOCSIS® 3.1 modems are fully backward-compatible

Upgrading to a DOCSIS® 3.1 modem means you'll still enjoy your current Internet service and be ready for the fastest speeds available in your service area.

Ultra-fast WiFi speeds coming to your neighborhood

Enjoy ultra-fast WiFi speeds today and be ready to enjoy more in the near future.

NIGHTHAWK®

WiFi 6–Ready for Today and Tomorrow's Smart Home

Introducing WiFi 6–the latest generation of WiFi that delivers four times better performance than AC WiFi.

With innovative technologies, such as Orthogonal Frequency-Division Multiple-Access (OFDMA)§, 4x4 Multi-User MIMO, and intelligent scheduling, WiFi 6 delivers a huge boost in speed and total capacity. Rising to the challenges of modern smart home demands, this new standard of WiFi is ready to support more devices with better reliability and faster speeds.

Capacity
WiFi 6 gives you improved network capacity for more WiFi devices. Have more fun with the uninterrupted 4K/8K streaming, gaming, and the smart home experience.

Speed
Get ultra-fast wireless speeds with more connections for all devices with less congestion. You'll get some blazing connection speeds of more than one gigabit per second or more, 4K/8K streaming, & VR/AR gaming.
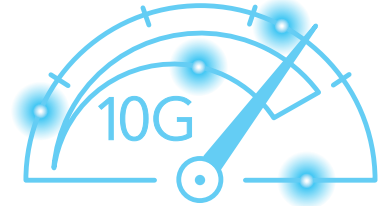
Range
Experience reliable and stronger WiFi coverage indoors and outdoors for all your devices. High-performance antennas, pre-optimized for best peformance, on the router amplify WiFi signals for maximized range and reliable coverage.
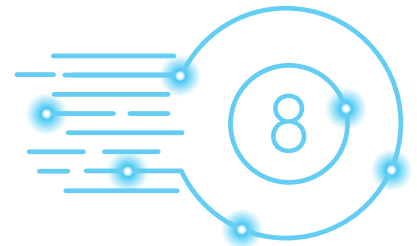
NETGEAR®

NIGHTHAWK®

Built in DOCSIS® 3.1 Cable Modem

Up to 10Gbps, 10X faster download speeds than the DOCSIS® 3.0 standard.
Fully backwards compatible with previous DOCSIS standards‡.

8-Stream AX Wi-Fi

Up to 6Gbps WiFi speed. Concurrently stream 4K & Ultra HD
content to multiple devices.

Save Money

Eliminate monthly cable modem rental fees and save up to $156 per year**.
Works with XFINITY® from Comcast, COX® and more.

Built for Gigabit + Internet Service & Beyond

Multi-Gig Wired and Wireless speed. Ready for the fastest internet
speeds available.

NETGEAR®

NIGHTHAWK®

Speed

Get ultra-fast wireless speeds for better 4K/8K UHD streaming, gaming or video conferencing experience.

DOCSIS 3.1 — BUILT IN DOCSIS® 3.1 CABLE MODEM–10x faster speeds than DOCSIS 3.0. up to 10Gbps, backward compatible‡

AX WiFi — UP TO 6GBPS SPEEDS–1.2+4.8 Gbps† with 8-stream connectivity

1.5 GHz — AX OPTIMIZED DUAL-CORE PROCESSOR–Powerful 1.5GHz processor boosts wireless, wired & WAN-to-LAN performance

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

2.5G — MULTI-GIG 2.5G/1G ETHERNET PORT–2.5 times the wired speed of typical Gigabit Ethernet port for LAN or faster Internet

4G — 4 GIGABIT PORTS–Connect more wired devices for faster file transfer and uninterrupted connections

MULTI-GIG EXPERIENCE–Maximize your available Internet speeds with link port aggregation support. Ability to aggregate two Gigabit LAN ports

Capacity

Get better performance for all your smart home devices even when your family is busy streaming videos or uploading media files during the Internet rush hour.

MORE WIFI FOR MORE DEVICES–OFDMA allows efficient data transmission up to 8 devices at the same time§

AX OPTIMIZED POWERFUL PROCESSOR–Dual-core 1.5GHz processor ensures smooth 4K UHD streaming & gaming – ideal for Gigabit Internet speeds

WiFi Range

Faster and expanded coverage throughout your home and for all your devices.

ULTIMATE RANGE–WiFi coverage throughout large homes

Sharing

With NETGEAR, sharing across your network is fun and easy, such as accessing stored photos & music. And make sure you keep it safe by using the included ReadySHARE Vault application for backing up Windows-based PCs.

READYSHARE® USB ACCESS–Wirelessly access & share USB hard drive via one USB port

USB 3.0 — ONE USB 3.0 PORTS–Faster streaming, backup and easy access to your stored media

NETGEAR®

Ease Of Use

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

SMART CONNECT—Intelligently selects the fastest WiFi band for every device connection. One WiFi name for the entire home

NIGHTHAWK® APP—Easily set up your router and get more out of your WiFi. Includes remote access to manage your network away from home

WIFI 6 SUPPORTS ALL CURRENT WIFI DEVICES—Backward compatible with WiFi 5 and earlier generation devices

Security

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

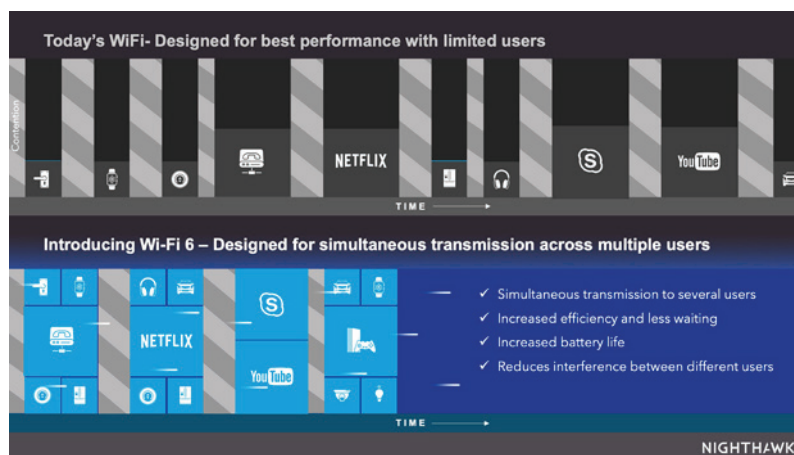**VPN SUPPORT**—Secure access to your home network away from home

STANDARDS-BASED WIFI SECURITY (802.11I, 128-bit AES encryption with PSK)

GUEST NETWORK—Separate and secure network for your guests

Orthogonal Frequency Division Multiple Access (OFDMA)

Using the uplink and downlink OFDMA§ feature of WiFi 6, the WiFi traffic is managed much more efficiently since data is transmitted from different devices concurrently, rather than having each device's data wait for its turn. This results in in an efficient use of air-time, reduced latency, and increased bandwidth to add more devices to your network.
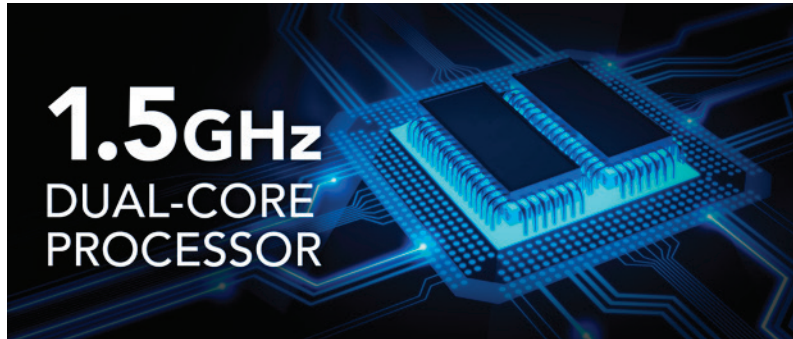
NIGHTHAWK®

Powerful Dual-Core Processor

Nighthawk AX8 WiFi 6 Cable Modem Router is powered by a dual-core 1.5GHz processor designed to transfer multi-gigs of data with very low CPU load and ensures smooth 4K UHD streaming & gaming.

Multi-Gig Internet *

Nighthawk AX8 WiFi 6 Cable Modem Router is one of the first cable modem routers to support Multi-Gig 2.5Gbps and LAN port aggregation that allows combining two Gigabit Ethernet ports to deliver more than one Gigabit internet speed to your home (where supported).

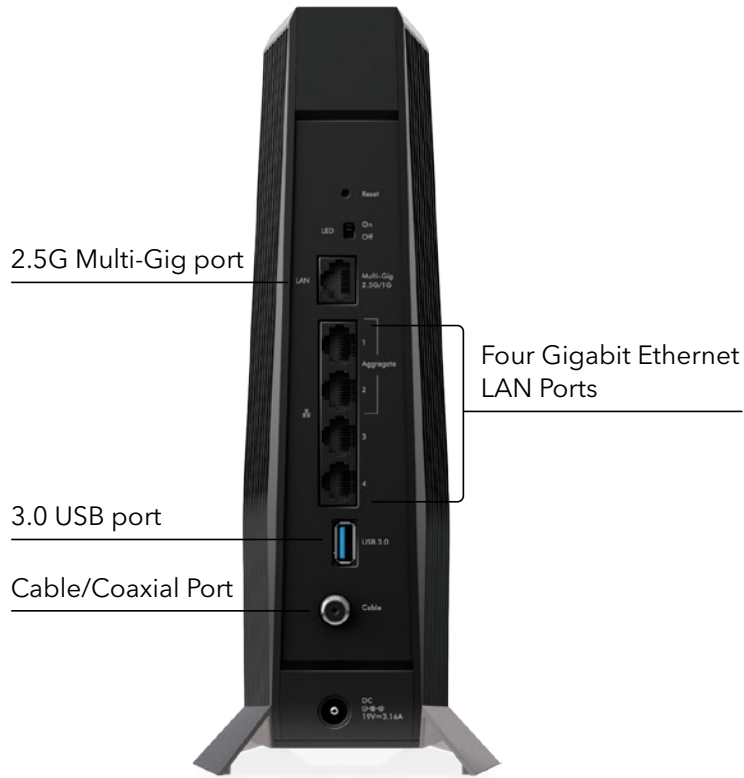**NETGEAR**®

NIGHTHAWK®

Nighthawk App

The NETGEAR Nighthawk® App makes it easy to set up your router and get more out of your WiFi. With the app, you can install your router in a few steps—just connect your mobile device to the router network and the app will walk you through the rest. Once set up, you can use the intuitive dashboard to pause the Internet on your connected devices, run a quick Internet speed test, and much more!

- Remote Management—Easily monitor your home network anytime, anywhere

- Pause Internet—Pause the Internet to any device

- Traffic Meter—Track Internet data usage

- Guest Networks—Set up separate WiFi access for guests

- Quick Setup—Get connected in just minutes

- Get it at nighthawk-app.com

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NIGHTHAWK®

Nighthawk® AX8/8-Stream WiFi 6 Cable Modem Router

Connection Diagram

2.5G Multi-Gig port

Four Gigabit Ethernet LAN Ports

3.0 USB port

Cable/Coaxial Port

NETGEAR®

Nighthawk® AX8/8-Stream
WiFi 6 Cable Modem Router

Package Contents

- Nighthawk® AX8/8 Stream WiFi 6 Cable Modem Router

- Ethernet cable, Quick Start Guide, power adapter

Physical Specifications

- Dimensions: 10.4 x 8.5 x 4.3 in / 264 x 215 x 110 mm

- Weight: 2.55 lb / 1.16 kg

Technical Specifications

- Built-in high-speed DOCSIS® 3.1 Cable Modem compatible with 32x8 DOCSIS® 3.0

- 2 OFDM downstream and 2 OFDMA upstream DOCSIS channels for faster, more clear data streaming

- 802.11ax Dual Band WiFi (AX6000)
  – 2.4GHz AX: 4x4 (Tx/Rx) 1024 QAM 40MHz, up to 1.2Gbps
  – 5GHz AX: 4x4 (Tx/Rx) 1024 QAM 160MHz, up to 4.8Gbps

- Backwards compatible with 802.11a/b/g/n/ac WiFi

- Uplink & Downlink OFDMA§—Improved capacity and efficiency

- Powerful Dual Core 1.5GHz processor

- 2.5G Multi-Gig Ethernet LAN port

- Four (4) Gigabit Ethernet LAN ports
  – Dual Gigabit Ethernet Port Aggregation

- One (1) USB 3.0 port—Connect storage devices to store & stream your own media

Key Features

- Eliminate monthly cable modem rental fees and save up to $156 per year**

- Works right out of the box with XFINITY® from Comcast and Cox®

- 4X Better Performance than an AC Cable Modem Router—8 Stream WiFi with up to 1.2 + 4.8 Gbps† for ultra-fast wireless speeds

- More WiFi for More Devices—OFDMA allows efficient data transmission up to 8 devices at the same time. Uplink OFDMA improves scheduling during high volumes of upload traffic, particularly when that traffic is created simultaneously.§

- Powerful Processor—Dual-core 1.5GHz processor ensures smooth 4K UHD streaming & gaming

- Multi-Gig Ethernet Port 2.5G—2.5 times the wired speed of a typical Gigabit port to be used for LAN or Internet connectivity

- Smart Connect—Intelligently selects the fastest WiFi band for every device connection. One WiFi name for the entire home

- Nighthawk® App—Easily set up your router and get more out of your WiFi. Includes remote access to manage your network away from home

- WiFi 6 supports all current WiFi devices and is backward compatible with WiFi 5 and earlier generation devices

Support

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

- Join the NETGEAR Community Forum. Visit http://community.netgear.com

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

- VPN Support—Secure access to your home network away from home

- Firewall protection (SPI and NAT)

- Denial-of-service (DoS) attack prevention

Warranty

- www.netgear.com/warranty/

- Extend your warranty & technical support within 90 days of product purchase [US only]. Visit: prosupport.netgear.com/home

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† Maximum wireless signal rate derived from IEEE 802.11 specifications. Actual data throughput and wireless coverage will vary and may be lowered by network and environmental conditions, including network traffic volume and building construction. NETGEAR makes no representations or warranties about this product's compatibility with future standards.

‡ 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.

* Multi-Gig Internet speeds require compatible service plans and equipment. Please visit support.netgear.com for more information.

** Savings shown may vary by cable service providers.

§ Requires compatible AX clients with DL-OFDMA and UL-OFDMA support.

Some Features will be available via future firmware upgrade.

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