NIGHTHAWK®

Nighthawk® AX 5-Stream WiFi 6 Router

Ready for the WiFi of Everything

Upgrade to true high-performance WiFi with the NETGEAR® Nighthawk® AX WiFi 6 Router. With a powerful 1.5GHz triple-core processor, it delivers blazing-fast Internet speeds and reliable connectivity to every device in your network, allowing you to stream picture-perfect 4K UHD content to smart TVs, mobile devices, and gaming consoles with up to 2.2Gbps† wireless speeds. And three high-power antennas will extend your wireless range for maximum coverage. Every feature on the Nighthawk® AX WiFi 6 Router is designed to improve your WiFi experience. WiFi 6 technology gives you up to 2x the WiFi capacity. One USB 3.0 port delivers quick backup as well as easy access to your stored media. With NETGEAR Armor™, you get a one-stop Internet security solution that protects your connected devices, guards your sensitive information, and helps ensure your Internet activity remains private.

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

Delivering two times the performance of WiFi 5, WiFi 6 allows more devices to connect and stream simultaneously, without impacting speed or reliability, by efficiently packing and scheduling data. 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 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 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.

3 High-power Antennas

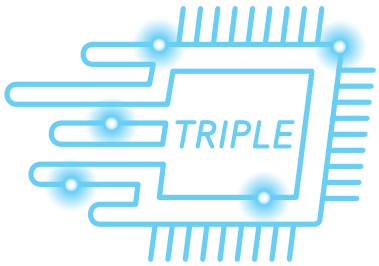
Extend wireless range for better coverage for reliable whole home WiFi.

Faster WiFi Speeds

Efficient data transmission to your WiFi devices simultaneously for smoother streaming and faster speeds.

Powerful 1.5GHz Triple-core Processor

More processing power to manage your smart home connectivity and smooth 4K UHD streaming to your mobile devices and gaming consoles.



Speed

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

- UP TO 2.2GBPS††† SPEEDS–459+1801Mbps with 5-stream connectivity
- 1024-QAM–25% increased data efficiency and faster speeds than a 256-QAM router
- 4 GIGABIT ETHERNET LAN PORTS–Connect more wired devices for faster file transfer and uninterrupted connections

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– Allows efficient data transmission to devices simultaneously.§
- POWERFUL PROCESSOR–1.5GHz triple-core processor ensures smooth 4K UHD streaming

WiFi Range

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

- ULTIMATE RANGE–WiFi coverage throughout small to medium homes
- HIGH-PERFORMANCE ANTENNAS–Three (3) external antennas extend strong and reliable WiFi signals over larger area

Sharing

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

4 GIGABIT ETHERNET LAN PORTS–Connect more wired devices for faster file transfer and uninterrupted connections

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

Reliable Connections

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

BEAMFORMING+–Improve range and performance for both 2.4 and 5GHz devices

SIMULTANEOUS DUAL BAND WIFI–Supports two WiFi bands simultaneously to double the available bandwidth and provide a reliable, dedicated WiFi network for smooth online gaming without any network congestion

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!

NIGHTHAWK® APP–Easily set up your router, manage your network from anywhere, pause the Internet on your connected devices, run a quick Internet speed test, track your Internet data usage, set up separate guest networks, and more

AX WIFI SUPPORTS ALL CURRENT WIFI DEVICES–WiFi 6 supports all current WiFi device and is backward compatible with WiFi 5 and earlier generation devices

VOICE CONTROLLED BY AMAZON ALEXA® & THE GOOGLE ASSISTANT™– Control your NETGEAR WiFi network with simple voice commands

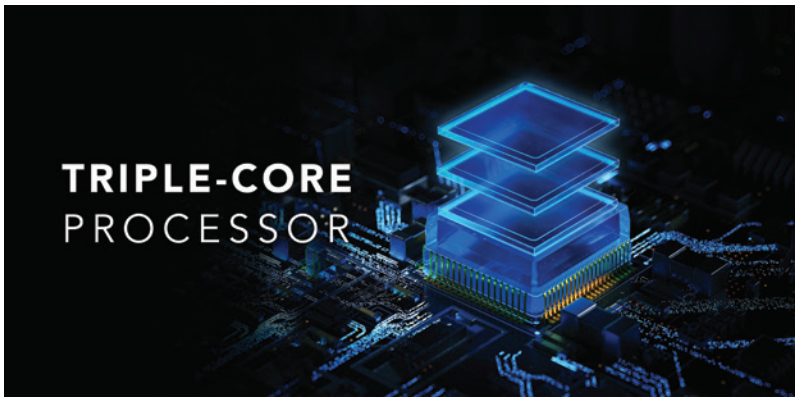
Security

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.

- NETGEAR ARMOR™–One-stop Internet security solution for your home network and your connected devices that delivers added protection and greater peace of mind. Learn more at netgear.com/armor††
- NETGEAR SMART PARENTAL CONTROLS™–Easily manage your kids' time online across their connected devices and promote healthy habits both at home and anywhere they go∞
- VPN SUPPORT–On PC, MAC, & now also with OpenVPN Connect app on iOS & Android, securely access your home network & Internet connection from your mobile device remotely
- STANDARDS-BASED WIFI SECURITY (802.11i, 128-bit AES encryption with PSK)
- GUEST NETWORK–Separate and secure network for your guests
- AUTOMATIC FIRMWARE UPDATE–Delivers latest security patches to the router
- LATEST SECURITY STANDARD–Supports WPA3 the latest and cutting-edge WiFi security protocol

Powerful Triple-core Processor

Nighthawk AX WiFi 6 Router is powered by a powerful triple-core processor designed to transfer Multi-Gigs of data. Full-packet processing offload means zero load on the CPU. Enjoy smoother Ultra-HD 4K video streaming and gaming without interruptions.



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!

- Anywhere Access–Easily monitor your home network anytime, anywhere
- Internet Speed Test–Check the broadband speeds from your service provider
- 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

NETGEAR Armor™

Powered by Bitdefender®, NETGEAR Armor™ is one of the most comprehensive and advanced security solutions that protects you and your family from hackers and viruses. It's built into your NETGEAR router and is easily managed through the NETGEAR iOS or Android app. NETGEAR Armor™ includes Bitdefender's award-winning anti-virus, anti-malware, total protection suite for unlimited computers, smartphones, and tablets plus Bitdefender VPN to safeguard these devices—anywhere you go.

Advanced Security Built into Your NETGEAR Router

PROTECTS ALL CONNECTED DEVICES—Safeguard all your smart home devices, game consoles, TVs, and streaming players, as well as your tablets, computers, and smartphones.

SENSITIVE DATA PROTECTION—Keeps your data private by blocking attempts to send your login and banking info, SSNs, and more from being sent over unencrypted connections.

ANOMALY DETECTION—Blocks unusual behavior on your connected devices detected by our machine learning algorithm to protect your network against attacks.

BRUTE FORCE PROTECTION—Protects the entire network by preventing connected smart devices from being compromised by botnet attacks, such as credential and encryption key attacks.

DDoS PROTECTION—Prevents and protects your network against crippling denial-of-service attacks.

EXPLOIT PREVENTION/IDS—Protects your data and devices by blocking attacks—like malicious intrusions—that try to exploit vulnerabilities in your connected devices or software.

AUTOMATIC THREAT BLOCKING—Blocks viruses, ransomware, phishing, spoofing, and other advanced cyberattacks threatening your network and connected devices with vulnerabilities.

WEB PROTECTION—Instantly blocks webpages that possibly contain harmful malware, phishing, or other malicious content. (For Android and iOS devices)

VULNERABILITY SCAN—Closes any backdoor entries or hackers by identifying weak passwords or credentials and firmware or services with vulnerabilities.

REAL-TIME ALERTS—Notifications of detected and blocked threats and when new devices connect to your network.

MANAGE NETGEAR ARMOR EASILY—Stay in the know with your Nighthawk App—anywhere, anytime.

Your Armor subscription also includes features that protect your devices outside your home:

BITDEFENDER SECURITY—Install this protection on your desktop and laptop computers and mobile devices for an extra layer of cybersecurity at home and on-the-go.

BITDEFENDER® VPN—Encrypts your Internet connection to keep your online activity private, even while you're on unsecured public networks.

ANTI-THEFT PROTECTION—Remotely locate, lock, and wipe your lost or stolen devices.

NETGEAR Smart Parental Controls™ ∞

Creating the safest online experience for your kids is important and our built-in Smart Parental Controls makes it easy.

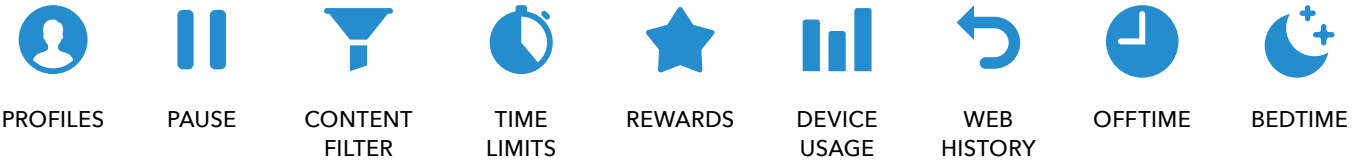
You are in control of your kids' Internet connection:

- Pause the Internet for needed breaks
- Create custom profiles to manage online time for each kid

With the Premium subscription*, you get even more insights into your kids' online activities to promote healthy habits:

- Get a detailed report of your kids' Internet usage and block any sites
- Customize filters for your kids and limit their Internet time

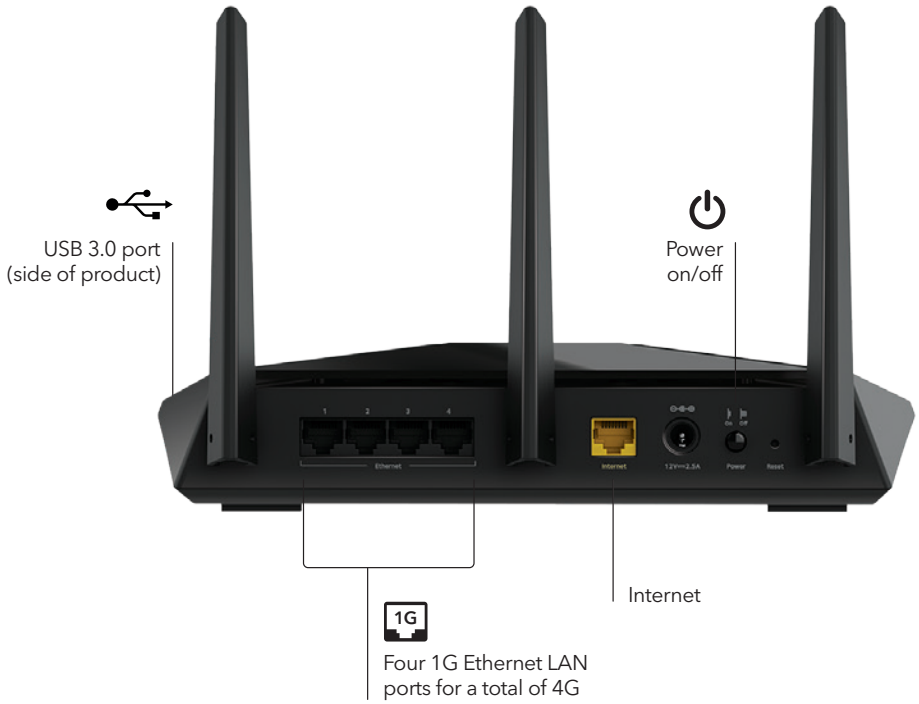
Key Features:



∞NETGEAR Smart Parental Controls™ are not available in all regions and countries. Visit www.netgear.com/NETGEAR-SPC-availability for availability.

* NETGEAR Smart Parental Controls™ Premium requires a paid subscription after the 30-day free trial. Visit www.netgear.com/spc for more information.

Connection Diagram



NIGHTHAWK®

Nighthawk® AX 5-Stream WiFi 6 Router

Package Contents

- NETGEAR® Nighthawk® AX/5-stream AX2200 WiFi 6 Router (RAX28)
- Ethernet cable
- Quick start guide
- Power adapter

Physical Specifications

- Dimensions: 7.97 x 9.32 x 6.23 in (202 x 237 x 158 mm)
- Weight: 1.03 lb (465 g)

Technical Specifications

- WiFi 6 (802.11ax) dual band WiFi (AX2200)
  - 2.4G: 459Mbps, 40/20MHz 256-QAM
  - 5G: 1801Mbps, 80/40/20MHz 1024-QAM
  - Backwards compatible with 802.11a/b/g/n/ac WiFi
- Five (5) 10/100/1000Mbps–(1 WAN & 4 LAN) Gigabit Ethernet ports
- One (1) 3.0 USB port
- 1024-QAM–25% data efficiency and faster speeds than a 256-QAM router
- Powerful 1.5GHz triple-core processor
- Longer range with 3 high-performance antennas

Key Features

- 1.8x better performance than an AC router–WiFi with up to 2.2Gbps† for ultra-fast wireless speeds†††
- Powerful 1.5GHz processor–Triple-core processor ensures smooth 4K UHD streaming & gaming
- 4 Gigabit Ethernet LAN ports–Connect more wired devices for faster file transfer and uninterrupted connections
- Nighthawk® App–Easily set up your router and get more out of your WiFi. Includes access from anywhere to manage your network away from home
- WiFi 6 supports all current WiFi devices and is backwards compatible with WiFi 5 and earlier generation devices
- NETGEAR Armor™–One-stop Internet security solution for your home network and your connected devices††
- NETGEAR Smart Parental Controls™–Easily manage your kids' time online across their connected devices∞
- Works with Amazon Alexa® & the Google Assistant–Control your NETGEAR WiFi network with simple voice commands

System Requirements

- Microsoft® Windows 7, 8, 10, Vista®, XP®, 2000, Mac OS®, UNIX®, or Linux®
- Microsoft® Internet Explorer® 11 or higher, Microsoft Edge®, Google Chrome® 55 or higher, Firefox® 45 or higher, Safari® 10 or higher

Security

- Standards-based WiFi Security (802.11i, 128-bit AES encryption with PSK)
- Automatic firmware update delivers latest security patches to the router
- VPN Support–Secure access to your home network away from home
- Supports WPA3, the latest and cutting-edge WiFi security protocol
- NETGEAR Armor™–One-stop Internet security solution for your home network and your connected devices††
- NETGEAR Smart Parental Controls™–Easily manage your kids' time online across their connected devices∞

Warranty

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

Support

- 90-day complimentary technical support following purchase from a NETGEAR authorized reseller
- Join the NETGEAR Community Forum. Visit http://community.netgear.com

Supports Windows 10

Mac

This product comes with a 1-year limited warranty that is valid only if purchased from a NETGEAR authorized reseller.

* 1-year technical support for Costco customers. Complimentary technical support following purchase from Costco. www.netgear.com/support.

† Performance compared to IEEE® 802.11ac wireless technology.

††† Maximum wireless signal rate derived from IEEE 802.11 specifications. Actual data throughput and wireless coverage will vary and may be lowered by network, your country's regulation, and environmental conditions, including network traffic volume and building construction. NETGEAR makes no representations or warranties about this product's compatibility with AX standards. Up to 2200Mbps wireless speeds achieved when connecting to other 802.11ax 2200Mbps devices.

†† NETGEAR Armor requires a paid subscription after the initial 30-day free trial. www.netgear.com/armor.

∞ NETGEAR Smart Parental Controls™ Premium requires a paid subscription after the 30-day free trial. Visit netgear.com/spc for more information.

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

For indoor use only.

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