NETGEAR®

Nighthawk® X10—AD7200 Smart WiFi Router

Ultimate 4K Streaming & VR Gaming

**802.11ac/ad
1.7GHz Quad
Core Processor**

Plex Media Server

Nighthawk® X10 AD7200 Smart WiFi Router is industry's fastest router for media streaming with Plex media server. Nighthawk® X10 with 802.11ac and 802.11ad WiFi technology delivers ultra-smooth 4K streaming, VR gaming and instant downloads. With a powerful 1.7GHz Quad Core Processor and Quad-Stream architecture, you can enjoy combined wireless speeds of up to 7.2Gbps*. MU-MIMO supports simultaneous streaming, while 160 MHz doubles WiFi speeds to mobile devices. Four patent pending external active antennas amplify WiFi signals to maximize range and throughput.

802.11ac Quad Stream Wave2 WiFi plus 802.11ad WiFi

Up to 4600+1733+800 Mbps wireless speed

60GHz 802.11ad WiFi

Fastest WiFi technology for instant downloads and backup

Plex Media Server

All your movie, TV show, music, video, and photo collections at your fingertips. Anywhere you go, on the devices you love.

High-Performance Active Antennas

Better WiFi coverage and faster speeds

Powerful 1.7GHz Quad Core Processor

Fastest processor for home router for better 4K streaming, VR gaming, surfing, or anything you throw at it

NETGEAR®

Nighthawk® X10—AD7200 Smart WiFi Router

Speed

Get the fastest combined WiFi currently available & enjoy a blazing-fast, lag-free WiFi experience for VR gaming, video streaming or surfing.

60GHz 802.11ad WiFi—Fastest WiFi interface for instant downloads and backup

AD7200 WIFI—Up to 4600+1733+800 Mbps† Wireless speed

QUAD STREAM—Up to four data streams per WiFi band maximizes connection speed

MU-MIMO—Go faster by simultaneously streaming to multiple devices

GIGABIT WIRED—Six Gigabit Ethernet LAN ports with the ability to aggregate two ports for faster file transfers

LINK AGGREGATION—Ability to aggregate two Gigabit LAN ports for faster file transfers

10G LAN SFP+ port for fast NAS access

WiFi Range

Got range? Homes come in all shapes and sizes and Nighthawk® X10 Smart WiFi Router's 4 external active antennas provide WiFi coverage no matter where you connect in your home.

FOUR ENHANCED ACTIVE ANTENNAS—Enhance weak signal and reduce interference with a patent pending design

ULTIMATE RANGE—WiFi coverage throughout very large homes

Sharing

With NETGEAR, sharing across your network is fun and easy, anything from accessing stored data, media, photos & music to wireless printing.

READYCLOUD® USB ACCESS—Enjoy personal & secure cloud access to USB storage anytime, anywhere

READYSHARE® USB ACCESS—Wirelessly access & share USB hard drive & printer via two (2) USB 3.0 ports

TWO SUPERSPEED USB 3.0 PORTS—Up to 10x faster than USB 2.0

READYSHARE VAULT—Free software for automatic PC backup to a USB hard drive connected to the router

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

READYSHARE PRINTER—Wirelessly access & share a USB printer

PLEX MEDIA SERVER—All your movie, TV show, music, and photo collections, on the devices you love

AMAZON DRIVE BACKUP—Automatically and securely back up your important data to Amazon Drive

NETGEAR®

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+—Boosts speed, reliability, & range of WiFi connections for 2.4 & 5GHz

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!

NETGEAR UP APP—Easily set up, update, and configure your router with this app

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

NETGEAR GENIE® APP—Personal dashboard to monitor, control & repair your home network. Includes remote access to manage your network away from home

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

WIFI & POWER ON/OFF—Convenient power savings

LED ON/OFF Button—Easily turn LEDs on or off

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, NETGEAR has you covered.

ENHANCED PARENTAL CONTROLS—Manage web site access by family member & device

GUEST NETWORK ACCESS—Separate & secure access for guests

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

PERSONAL FTP SERVER—Customized free URL to create FTP server

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

The Fastest WiFi Just Got Faster

Speeds of up to 4.6 Gbps—that's 3 times faster than 802.11ac. It's the fastest Nighthawk® yet.

Fastest Wireless for Media Transfers and Backup

Don't wait to watch! Ultra-smooth 4K streaming, VR gaming, instant downloads and backup.
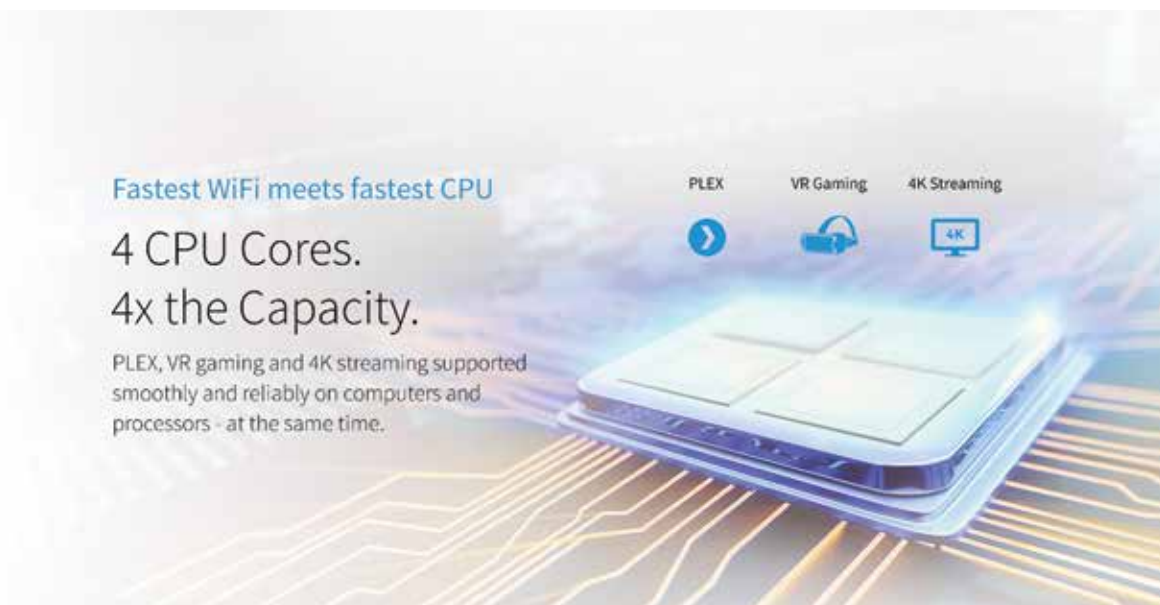
Industry's First Home Router with Plex Media Server

Plex. All your movie, TV show, music, video, and photo collections at your fingertips. Anywhere, anytime. Serve all your media with Plex Media Server on your Nighthawk® X10, without need for a computer.

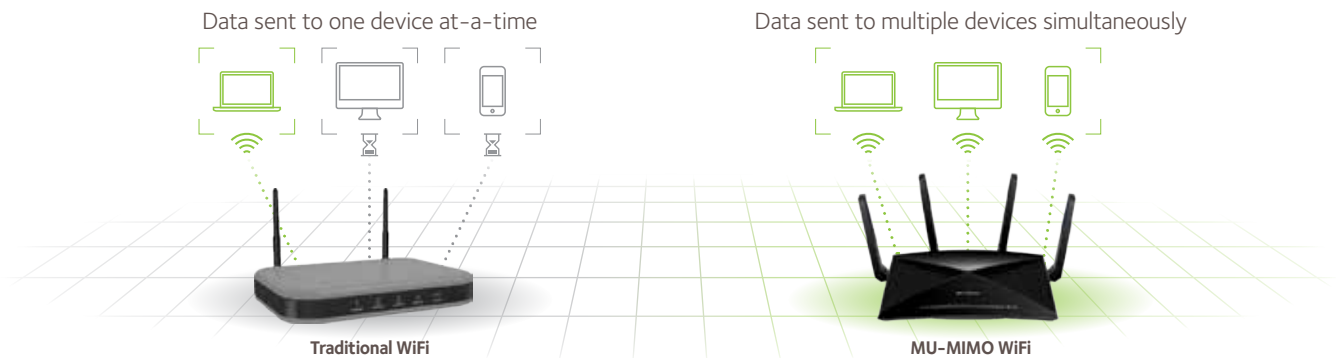
Powerful Quad-Core 1.7GHz Processor

Wired or wireless, the 1.7GHz Quad-Core processor boosts your network performance up to 7.2Gbps†.

Multi-User MIMO (MU-MIMO‡)

Using Multi-User MIMO technology, NETGEAR routers can stream data to multiple devices simultaneously. With MU-MIMO, your WiFi network can deliver faster throughput to every MU-MIMO connected device. That means faster downloads and smoother streaming for your devices.

Enjoy simultaneous streaming with MU-MIMO

Data sent to one device at-a-time

Data sent to multiple devices simultaneously

Traditional WiFi

MU-MIMO WiFi

‡MU-MIMO capability requires both router and client device to support MU-MIMO.

BEAMFORMING+

For more reliable connections.

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. The result is a stronger, faster, more reliable connection that is locked in even when the device is moved around the home.

- Focuses WiFi 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

- Designed for home environments to support multiple WiFi device connections for highest quality

- Extends WiFi coverage, reduces deadpots, & boosts signal strength

- Implicit & Explicit Beamforming boosts speed, reliability & range for both 2.4 & 5GHz WiFi devices
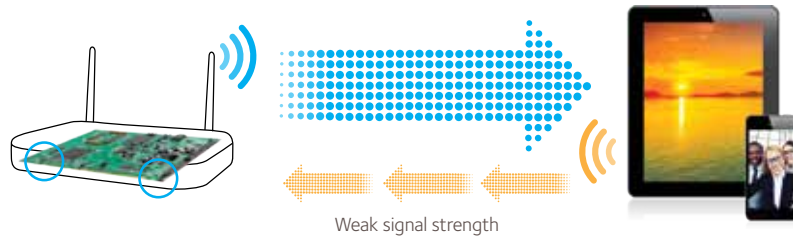
Enhanced Active Antennas

Each new generation of routers grows more powerful than the last, delivering stronger WiFi signals with greater range. At the same time, the WiFi signals on mobile devices are not getting more powerful. This difference in WiFi performance – a strong WiFi signal from the router and weaker ones from mobile devices – reduces overall WiFi range and speed.
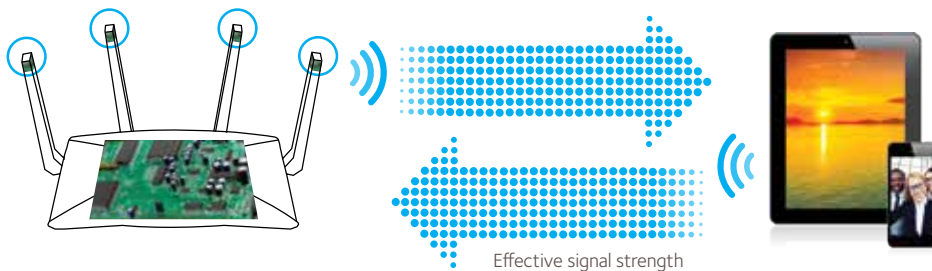
To meet this challenge, NETGEAR developed the industry's first Active Antennas technology. NETGEAR moved the WiFi amplifiers from their usual location, on the router's motherboard, up to the top of the antennas.

Active antennas help improve WiFi performance by amplifying signals in the antenna itself. Thereby avoiding any signal loss during transmission between antenna and router board, as well as avoiding any noise insertion from the router board components. This provides cleaner and stronger receive signals for amplification from your mobile devices.

In X10, enhanced Active antennas also amplify the signals as they are sent to the devices thereby increasing overall range and throughput.

Weak signal strength

Traditional WiFi router has harder time receiving weaker mobile device signals.

Effective signal strength

Nighthawk X10 Active antennas compensate for weaker mobile device signals and effectively improve signal strength.

ReadySHARE® Vault—Automatic backup for Window PCs

ReadySHARE Vault is a free app that provides automatic, continuous backup of Windows PCs to the USB hard drive connected to the Nighthawk® X10. The app has a wonderfully simple interface with intuitive backup settings—simply setup and forget and be assured that all your data on various home PCs in the home network is being continuously backed up. Never worry about losing your data again.

- Easy single click setup to back up the Window PCs on the home network

- Automatic, continuous incremental backup of all the changes

- Easily restore deleted files by going back to older snapshots

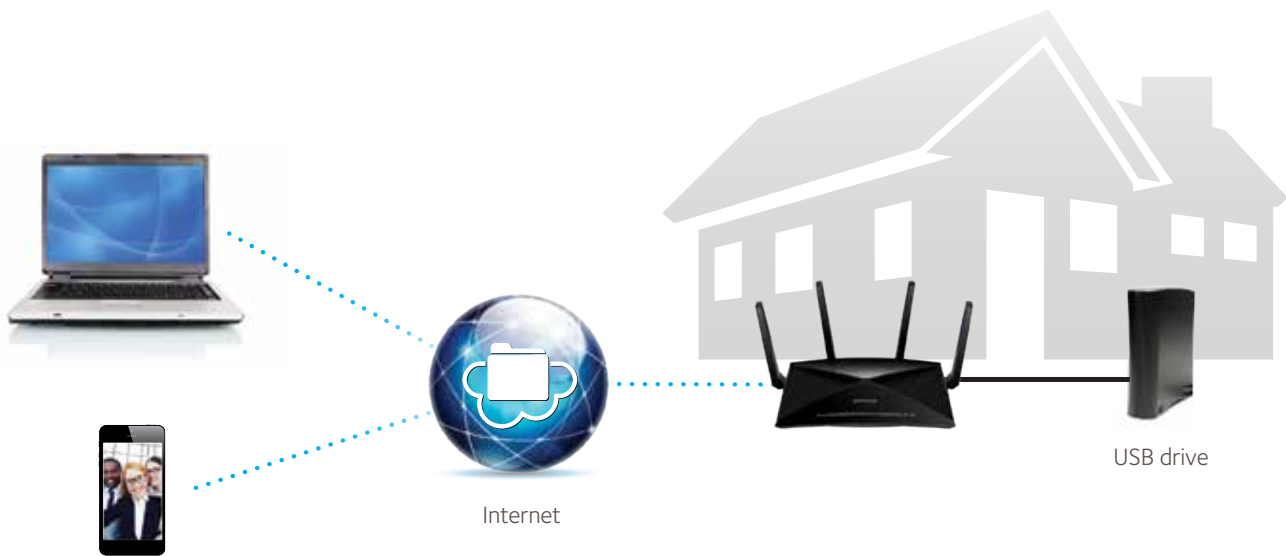- Safeguard all your precious data, photos, videos

USB drive

ReadySHARE Vault: Free software for automatic incremental backup for all Windows PC in your home.
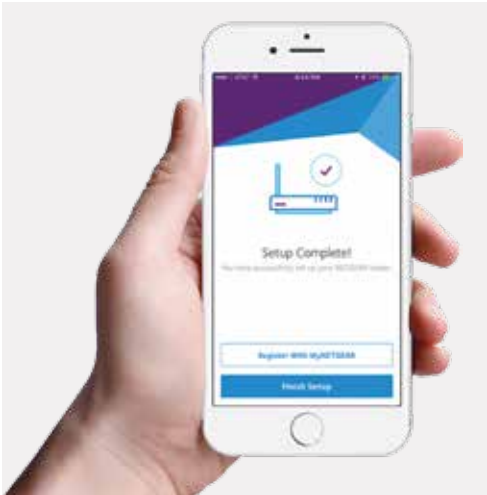
ReadyCLOUD® USB Access—Access Your Files Wherever, Whenever

Access and share your files via secure, personal cloud storage with NETGEAR ReadyCLOUD® USB Access. Once you've connected your USB drive to your NETGEAR Nighthawk® X10 and uploaded all your favorite files, you can enjoy the convenience and accessibility anytime & anywhere you have an Internet connection. No fees, storage limitations, or privacy concerns of cloud storage services. Using the ReadyCLOUD mobile app or web portal, you'll now have anytime, anywhere access to your USB drive at home... it's that easy!

· Setup your and access ReadyCLOUD via the web portal http://readycloud.netgear.com/

· Download mobile app for Android https://play.google.com/store/apps/details?id=com.netgear.readycloud&hl=en

· Download mobile app for iOS https://itunes.apple.com/us/app/readycloud/id700730254?mt=8

Internet

USB drive

With ReadyCloud, remotely access your files stored at home through the browser or smartphone app.

Got a new router, Get UP and running quickly

NETGEAR Up app offers a quicker* way to install your router using your mobile device—just download the app, connect to the router, and install away. With Up app, most helpful information about your router such as your WiFi password is also always at your fingertips—no more looking for sticky notes!

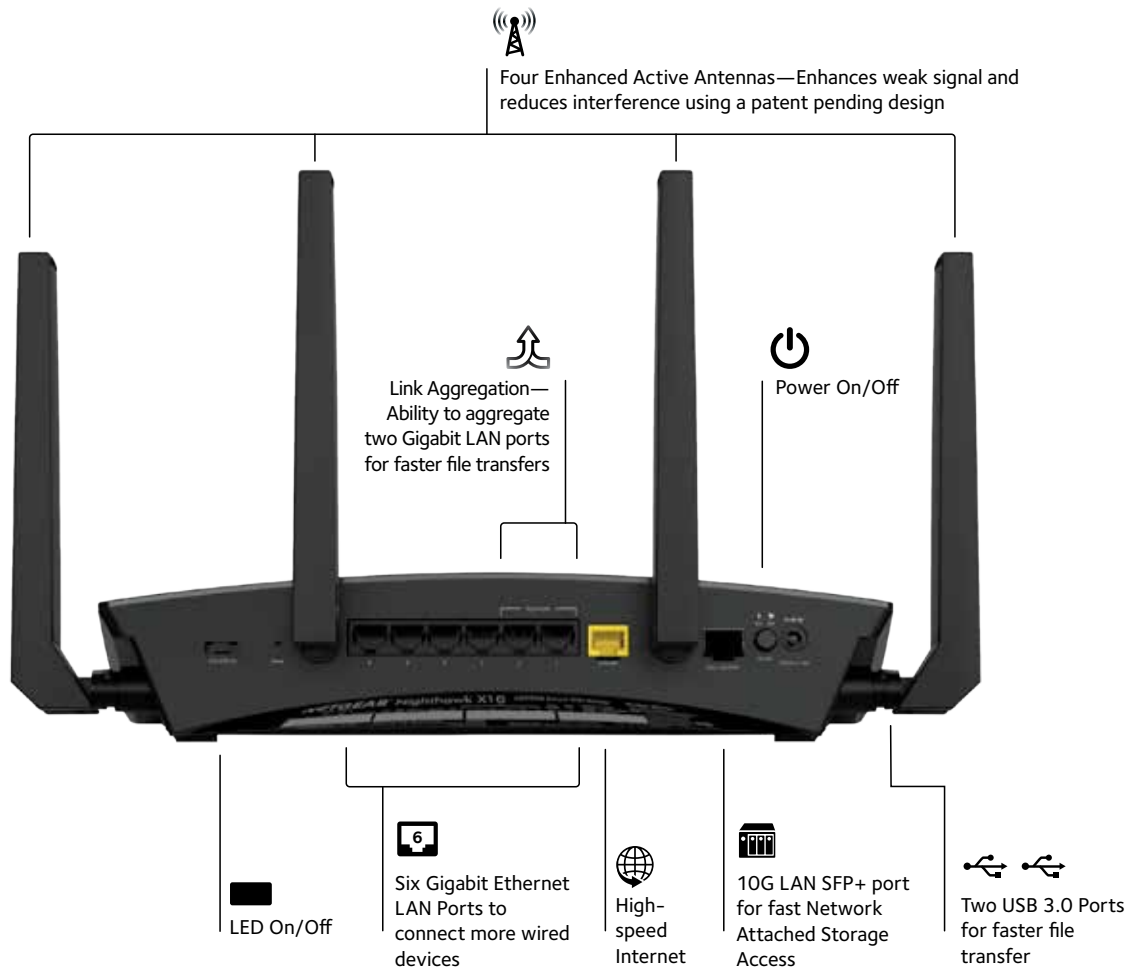*You can still install the router by accessing routerlogin.net on any web browser

NETGEAR genie®—HOME NETWORKING SIMPLIFIED

NETGEAR genie makes getting the most out of your home network fun & easy. Installation is almost effortless - just by opening a browser, genie helps you setup your NETGEAR WiFi Router & connect all of your WiFi devices. Genie also allows you to easily monitor, connect & control your home network from a PC, Mac, tablet or smartphone. With NETGEAR genie you can share & stream music or videos, diagnose & repair network issues, set up parental controls & more.

- Home network manager
- Makes any printer AirPrint® compatible to print from an iPad® or iPhone®
- MyMedia—Find & play media files in your network
- EZ Mobile Connect—Scan QR code to connect to your home network
- Turbo Transfer—Quickly transfer files within your home network across various devices 40% faster than normal file transfers
- For PC, Mac®, iPhone®, iPad®, & Android® devices
- Now with remote access to manage your network away from home. View the network map, block WiFi devices, set up guest WiFi & manage Parental Controls—anytime, anywhere.

Connection Diagram

Four Enhanced Active Antennas—Enhances weak signal and reduces interference using a patent pending design

Link Aggregation—Ability to aggregate two Gigabit LAN ports for faster file transfers

Power On/Off

LED On/Off

Six Gigabit Ethernet LAN Ports to connect more wired devices

High-speed Internet

10G LAN SFP+ port for fast Network Attached Storage Access

Two USB 3.0 Ports for faster file transfer

PACKAGE CONTENTS

- Nighthawk® X10—AD7200 Smart WiFi Router (R9000)
- Ethernet cable
- Quick start guide
- Power adapter

PHYSICAL SPECIFICATIONS

- Dimensions: 8.81 x 6.61 x 2.91 in (224 x 168 x 74 mm)
- Weight: 4.11 lb (1865 g)

KEY FEATURES

- Plex Media Server—stream your media on all your devices
- Quad-Stream Wave2 WiFi
- MU-MIMO—simultaneous streaming of data for up to three devices
- Amazon Drive Backup—Automatically and securely back up your important data to Amazon Drive
- Media streaming & storage
- ReadyCLOUD® USB Access—personal & secure cloud access to USB storage anytime, anywhere
- ReadySHARE® Vault—PC software for automatic backup to USB hard drive connected to the router
- DLNA® server to find & play your media on TVs & game consoles
- VPN support—secure remote access to your home network & Internet using PC, MAC® computers, and mobile devices
- Enhanced Parental Controls to manage web filtering & accessibility by profiles or devices
- NETGEAR® genie® home network manager includes remote access to manage your network away from home
- Open Source—software available at https://www.myopenrouter.com*

TECHNICAL SPECIFICATIONS

- AD7200† WiFi
  - Band 1: 800 Mbps @2.4GHz – 256QAM
  - Band 2: 1733 Mbps @5GHz – 256QAM
  - Band 3: 4600 Mbps @60GHz – SC
- Powerful Quad-Core 1.7GHz processor
- Memory: 512MB NAND flash and 1GB DDR3 SDRAM
- Enhanced Active Antennas with high powered amplifiers
- Explicit Beamforming for 2.4 & 5GHz bands
- Seven (7) 10/100/1000 Mbps Gigabit Ethernet ports
  - 1 WAN & 6 LAN
  - Dual Gigabit Ethernet Port Aggregation
- 10G LAN SFP+ port connection for Network Attached Storage (NAS)
- Two (2) USB 3.0 ports
- IPv6 Support (Internet Protocol Version 6)
- On/Off LED light switch

SYSTEM REQUIREMENTS

- Microsoft® Windows 7, 8, 10, Vista®, XP®, 2000, Mac OS®, UNIX®, or Linux®
- Microsoft® Internet Explorer® 5.0, Firefox® 2.0, Safari® 1.4, Google Chrome™ 11.0 browsers or higher

SECURITY

- Customized free URL to set up personal FTP server
- VPN support—secure remote access
- Guest network access—separate & secure
- WiFi Protected Access® (WPA/WPA2—PSK)
- Double firewall protection (SPI and NAT)
- Denial-of-service (DoS) attack prevention

WARRANTY

- www.netgear.com/warranty

SUPPORT

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

* The NETGEAR hardware warranty does not include, and maybe be voided by, the use of open source firmware.

† 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.

‡ MU-MIMO capability requires both router and client device to support MU-MIMO.