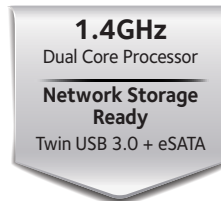


Performance & Use



- AC2350 WiFi – up to 2.33Gbps (600 + 1733 Mbps†)
- Next generation Quad-Stream Wave 2 WiFi
- Fastest available 1.4GHz dual core processor
- Dynamic QoS bandwidth prioritization by application and device
- Twin USB 3.0 and eSATA ports for external storage
- Four high-performance external antennas and Beamforming+ for maximum range
- Manage your home network with NETGEAR genie®



GAMING

INTENSIFY YOUR GAME PLAY & REDUCE LAG

Nighthawk X4 offers extreme WiFi speed for gaming—up to 2.33Gbps. The dual core 1.4GHz processor boosts WiFi, wired, & WAN-to-LAN performance, while Dynamic QoS prioritizes Internet traffic by application & device for lag-free gaming. Powerful amplifiers and four high-performance external antennas give you greater WiFi range throughout large homes & even backyards, while Beamforming+ focuses WiFi signals for better connections.



STREAMING

ENJOY UNINTERRUPTED STREAMING

Stop buffering and start enjoying uninterrupted streaming media for everyone in your home. Nighthawk X4 delivers the single fastest available WiFi connection to any one device, up to 1.73Gbps, and a total of 2.33Gbps. With Quad-Stream X4 Architecture you'll enjoy the ability to stream multiple HD videos at the same time. Dynamic QoS prioritizes your WiFi bandwidth by application, such as Netflix as well as by device for smoother streaming. Stream your own media by connecting a storage device to one of the two USB 3.0 or eSATA ports and access it from anywhere.



MOBILE

MAXIMIZE YOUR RANGE FOR ALL MOBILE DEVICES

Quad-Stream X4 Architecture dramatically increases WiFi range for mobile devices. Beamforming+ boosts speed and range, while Dynamic QoS bandwidth prioritization optimizes your Internet speed for gaming and streaming. Powerful amplifiers and four high-performance external antennas give you greater WiFi range throughout large homes and even backyards.



STORAGE

SIMPLIFY YOUR ACCESS WITH NETWORK STORAGE

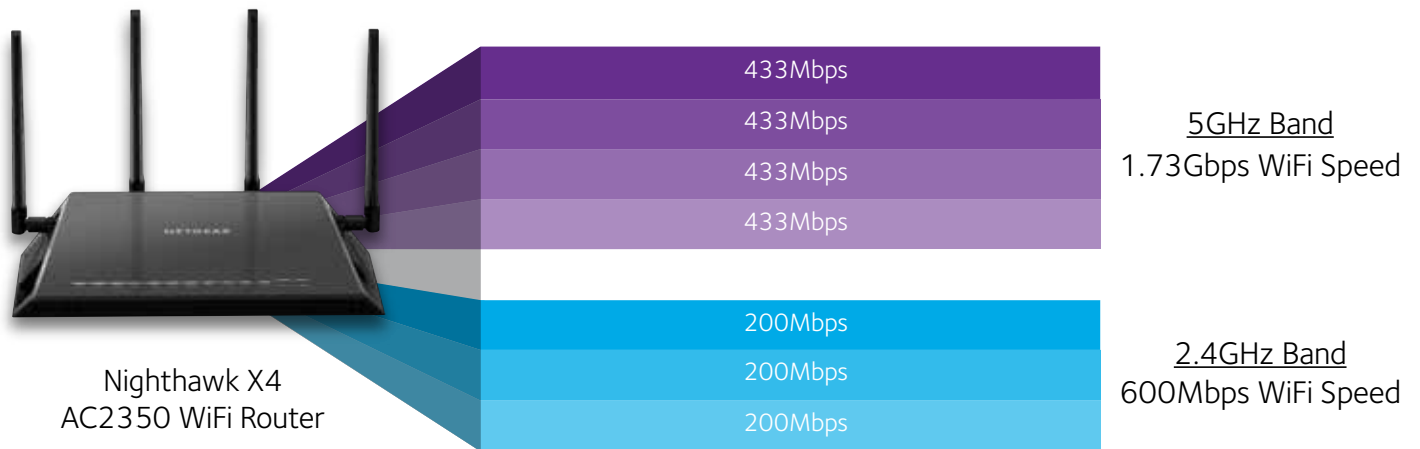
The Nighthawk X4 offers cutting-edge features and benefits to make storing your data and sharing your media simple and seamless. Twin USB 3.0 ports and one eSATA port offer faster access to stored media. Free ReadySHARE® Vault backup software for Windows® computers automatically safeguards your files and the built-in DLNA®-ready server lets you find and play your stored media on TVs & game consoles.

Quad-Stream X4 Architecture

The next wave of WiFi is here. Introducing the Nighthawk X4 AC2350 WiFi Router with Quad-Stream X4 Architecture, delivering the single fastest WiFi connection, up to 1.73Gbps, and a combined speed of 2.33Gbps.

WiFi's Top Speed Just Got Faster!

4 WiFi streams (4x4) combine for up to 1.73Gbps 802.11ac speed



Speed

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



WORLD'S FASTEST WIFI—Up to 2.33Gbps combined WiFi speed for extreme gaming and streaming



QUAD STREAM X4 ARCHITECTURE—Single fastest WiFi connection



GIGABIT WIFI—Next-generation WiFi now at Gigabit speeds



GIGABIT WIRED—Ideal for HD gaming & video



DUAL CORE PROCESSOR—Dual Core 1.4GHz processor boosts wireless, wired, WAN-to-LAN, & network storage performance

WiFi Range

Homes come in all shapes & sizes & Nighthawk X4 Smart WiFi Router provides WiFi coverage no matter where you connect in your home.



ULTIMATE RANGE—WiFi coverage throughout very large homes



ANTENNAS—High-powered amplifiers & four high-performance external antennas



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

Sharing

With NETGEAR, sharing across your network is fun & easy, anything from accessing stored data, media, photos & music to wireless printing. 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 & printer via two (2) superspeed USB 3.0 ports, up to 10x faster than USB 2.0



eSATA PORT—Access to high-speed & high-capacity external hard drives



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



PERSONAL FTP SERVER—Customized free URL to create FTP server

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.



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



DYNAMIC QoS—Delivers bandwidth prioritization by application & device



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

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



NETGEAR GENIE® APP—Personal dashboard to monitor, control & repair your home network



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



WiFi & POWER ON/OFF—Convenient power savings



LED ON/OFF—Easily turn router LED lights on or off

Security

Maintain the highest 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 when away from home



PARENTAL CONTROLS—Web site filtering for all your connected devices



GUEST NETWORK ACCESS—Separate & secure access for guests



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



OPEN SOURCE SUPPORT—Download open source firmware from www.myopenrouter.com

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 dead spots, & boosts signal strength
- Beamforming+ boosts speed, reliability & range for WiFi devices

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

Connection Diagram



WiFi On/Off | Push 'N' Connect with WPS



eSATA port

LED On/Off

Gigabit Ethernet

Internet

USB 3.0 ports



PACKAGE CONTENTS

- Nighthawk X4 AC2350 Smart WiFi Router (R7500)
- Four (4) detachable antennas
- Ethernet cable
- Quick install guide
- Power adapter

PHYSICAL SPECIFICATIONS

- Dimensions: 11.22 x 7.26 x 1.97 in (285 x 184.5 x 50 mm)
- Weight: 1.65 lb (750 g)

TECHNICAL SPECIFICATIONS

- AC2350 (600 Mbps @ 2.4GHz—256 QAM support + 1733 Mbps @ 5GHz 11ac)[†]
- Quad-Stream Wave 2 WiFi
- Simultaneous dual band WiFi—IEEE® 802.11 b/g/n 2.4GHz—IEEE® 802.11 a/n/ac 5GHz
- Powerful Dual-Core 1.4GHz processor
- Two (2) USB 3.0 ports
- One (1) eSATA port
- Four (4) high-performance external antennas
- Dynamic QoS intelligently prioritizes video streaming & gaming
- Beamforming+ for more reliable connections
- Five (5) 10/100/1000 Mbps Gigabit Ethernet ports (1 WAN & 4 LAN)
- Memory: 128MB flash and 256MB RAM
- ReadySHARE® USB to share your USB hard drive & printer
- IPv6 Support (Internet Protocol Version 6)
- On/off LED light switch

SYSTEM REQUIREMENTS

- Microsoft® Windows 7, 8, Vista®, XP®, 2000, Mac OS®, UNIX®, or Linux®
- Microsoft® Internet Explorer® 5.0, Firefox® 2.0, Safari® 1.4, or 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

- NETGEAR 1-year limited warranty. For details www.netgear.com/about/warranty/

SUPPORT

- 24/7 basic technical phone support for 90 days from date of purchase



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

* 24/7 basic technical phone support provided for 90 days from purchase date when purchased from a NETGEAR authorized reseller.

[†] 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. 802.11ac 1733 Mbps is approximately 3x faster than 802.11n 600 Mbps. 2.4GHz Performance Mode requires 256 QAM support on WiFi client. Up to 1733 Mbps wireless speeds achieved when connecting to other 802.11ac 1733 Mbps devices.

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