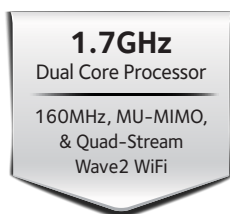




Advanced Gaming & Streaming



Nighthawk X4S AC2600 Smart WiFi Router with 160MHz, MU-MIMO, and Quad-Stream technology delivers WiFi to multiple devices simultaneously for faster speeds. Get ultimate WiFi speeds of up to 2.53Gbps, with a powerful 1.7GHz dual-core processor. Enjoy smoother streaming and gaming by prioritizing application and device with Dynamic QoS.



GAMING | INTENSIFY YOUR GAME PLAY & REDUCE LAG

Nighthawk X4S offers extreme WiFi speed for gaming—Up to 2.53 Gbps and 160MHz bandwidth further reduces the lag. The dual-core 1.7GHz 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 extreme WiFi connectivity throughout large homes & even backyards, while Beamforming+ focuses WiFi signals for better WiFi range and performance.



STREAMING | ENJOY UNINTERRUPTED STREAMING

Stop buffering and start enjoying uninterrupted streaming media for everyone in your home. Nighthawk X4S delivers the single fastest available WiFi connection to any one device, up to 1.73 Gbps, and a total of 2.53 Gbps. 160MHz support makes it easier to stream 4K content in pristine quality. With Quad-Stream X4S 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 USB 3.0 or eSATA storage devices and access it from anywhere.



MOBILE | MAXIMIZE YOUR RANGE FOR ALL MOBILE DEVICES

Double the bandwidth with 160MHz support and dramatically increase WiFi range for mobile devices with Quad-Stream X4S Architecture. MU-MIMO gives you faster speeds with simultaneously streamed data for multiple 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. With EZ Mobile Connect on NETGEAR genie® app, you can connect to WiFi securely by simply scanning a QR code.

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 2.53 Gbps†



160MHz SUPPORT—Doubles the streaming speeds



DUAL-CORE PROCESSOR—Dual-core 1.7GHz processor boosts wireless, wired & WAN-to-LAN performance



GIGABIT WIFI—Next-generation WiFi now at Gigabit speeds



GIGABIT WIRED—Ideal for HD gaming & video

WiFi Range

Got range? Homes come in all shapes and sizes and the Nighthawk X4S AC2600 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 with 4 external antennas

Sharing

With NETGEAR, sharing across your network is fun and easy, anything from accessing stored 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.



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



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



eSATA—One (1) eSATA port for storing and streaming



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



MU-MIMO—Multi-user MIMO enables simultaneous streaming to mobile devices



READYSHARE PRINTER—Wirelessly access & share a USB printer



ReadySHARE® Vault—PC software automatically backs up to USB hard drive connected to the router

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.



QUAD-STREAM—Quad-Stream Wave 2 WiFi increases WiFi range for mobile 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 and 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 SWITCH—Easily turn LEDs 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



ENHANCED PARENTAL CONTROLS—Manage website access by family member and device



GUEST NETWORK ACCESS—Separate & secure access for guests



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



PERSONAL FTP SERVER—Customized free URL to create FTP server



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

Multi-User MIMO (MU-MIMO)

Traditional WiFi routers can stream data to only one device in the home at a time. When multiple devices are connected to the router, each device needs to take its turn, and then wait before receiving more data. This can lead to slower network and Internet speeds. 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



Dynamic Quality of Service (QoS)

If you like gaming and streaming videos, then you can benefit from Dynamic Quality of Service (QoS).

Dynamic QoS automatically prioritizes bandwidth to latency sensitive applications like online gaming and video streaming by recognizing application and device information as well as bandwidth needs. Dynamic QoS will also ensure that lower priority applications like file downloads will never get completely stopped.

Applications have same priority



Automatically recognizes & prioritizes applications

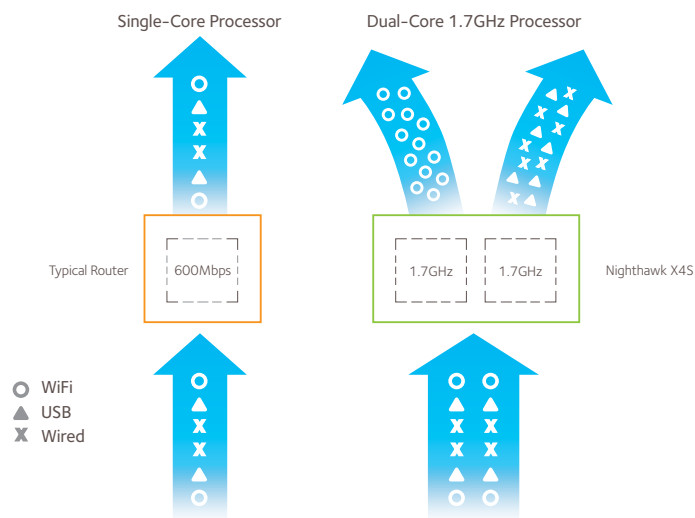


Powerful Dual-Core 1.7GHz Processor for Faster Processing

Basic WiFi routers use simple single-core processors to connect WiFi devices to the Internet.

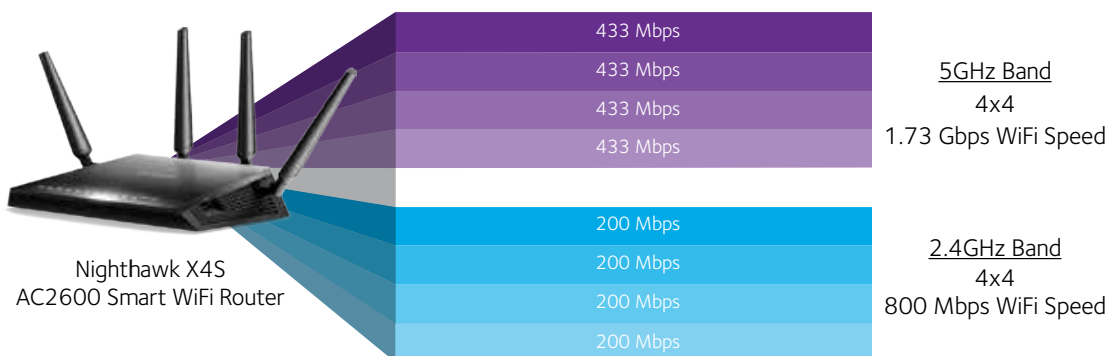
Nighthawk X4S delivers simultaneous dual band WiFi, Quad-Stream performance on each band, Multi-User MIMO, 160MHz, has 5 Gigabit LAN ports, and 1 eSATA and dual USB 3.0 interfaces to connect external USB storage. Using a single-core processor would cause severe performance issues as various processes compete for CPU Power.

That's why the X4S utilizes a powerful 1.7GHz dual-core processor to separate processes and prioritize high-performance WiFi connections to get maximum combined WiFi speeds of up to 2.53Gbps and still has room to handle advanced features such as Dynamic QoS.



Quad-Stream X4 Architecture

Better WiFi, the Industry's Latest Technology



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



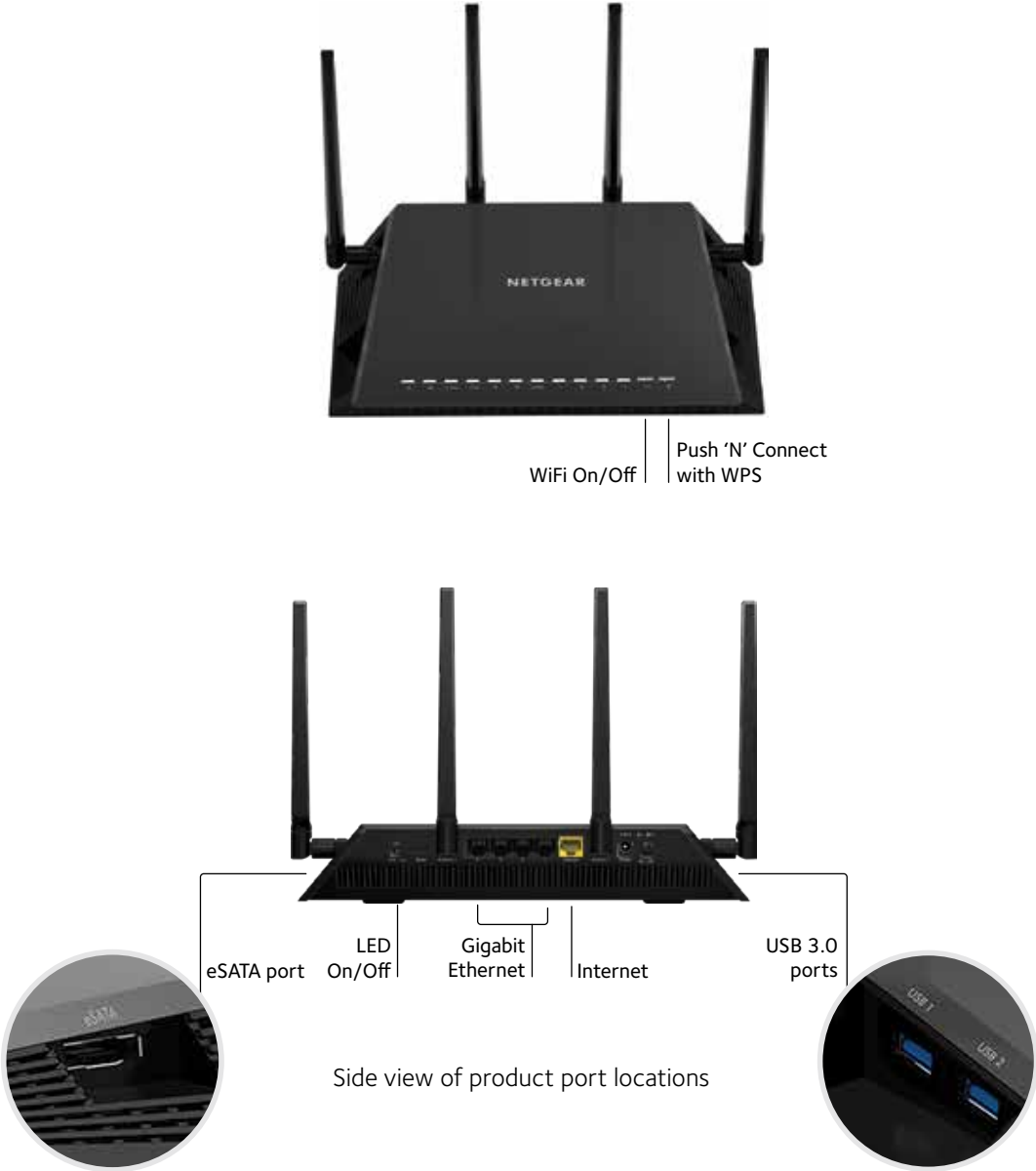
NETGEAR genie®—HOME NETWORKING SIMPLIFIED

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



Nighthawk® X4S AC2600 Smart WiFi Router

Data Sheet

R7800

PACKAGE CONTENTS

- Nighthawk X4S AC2600 Smart WiFi Router (R7800)
- Ethernet cable
- Quick start guide
- Power adapter, localized to country of sale

PHYSICAL SPECIFICATIONS

- Dimensions: 285 x 185 x 50 mm (11.22 x 7.26 x 1.97 in)
- Weight: 840 g (1.85 lb)

STANDARDS

- One (1) eSATA port
- Two (2) USB 3.0 ports
- IEEE® 802.11 b/g/n 2.4GHz + 256 QAM support
- IEEE® 802.11 a/n/ac 5.0GHz
- Five (5) 10/100/1000 Mbps—(1 WAN & 4 LAN) Gigabit Ethernet ports

TECHNICAL SPECIFICATIONS

- AC2600 (800 Mbps @2.4GHz—256QAM support +1733 Mbps @5GHz 11ac)[†]
- Simultaneous Dual Band WiFi
 - Tx/Rx 4x4 (2.4GHz)+ 4x4 (5GHz)
- 4x4 11ac 80MHz + 2x2-160/80+80MHz
- Multi-User MIMO (MU-MIMO)
- Powerful dual-core 1.7GHz processor
- Four (4) high-performance external antennas
- Memory: 128 MB flash and 512 MB RAM
- IPv6 support (Internet Protocol Version 6)
- On/Off LED light switch
- Quad-Stream & 160MHz for faster speeds
- MU-MIMO support for simultaneous streaming
- Dynamic QoS intelligently prioritizes video streaming & gaming
- Beamforming+ for more reliable connections
- ReadySHARE® USB to share your USB hard drive & printer
- ReadySHARE® Vault—PC software for automatic backup to USB hard drive connected to the router
- Enhanced Parental Controls to manage web filtering & accessibility by profiles or devices

SUPPORT

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

SYSTEM REQUIREMENTS

- Microsoft® Windows 7, 8, 10, Vista®, XP®, 2000, Mac OS®, UNIX®, or Linux®
- Microsoft® IE 9.0, Firefox® 4.0, Safari® 6.2.6, 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

- www.netgear.com/warranty/

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.

† 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.

The country settings must be set to the country where the device is operating. Intended for indoor use only in EU member states, EFTA states, and Switzerland.

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