NETGEAR®

Nighthawk® X4S AC2600 WiFi VDSL/ADSL Modem Router

Data Sheet

D7800

Newest Generation of WiFi

Nighthawk X4S AC2600 WiFi VDSL/ADSL Modem Router with MU-MIMO and Quad Stream technology delivers WiFi to multiple devices simultaneously for up to 3 times faster speeds. Get ultimate WiFi speeds of up to 2.53Gbps, with a powerful 1.4GHz dual core processor. Enjoy smoother streaming and gaming by prioritizing application and device with Dynamic QoS.

WIFI VDSL/ADSL Modem Router

- Extreme combined WiFi speed—up to 2.53 Gbps
- Dual Core 1.4GHz processor boosts performance for gaming and streaming
- Two-in-One—DSL Modem + AC2600 WiFi Router
- One device saves space, less wiring, smaller footprint
- Auto Detection for Universal DSL Support
- Open Source support on www.myopenrouter.com
- Gigabit Ethernet WAN port provides universal compatibility with any Internet service
- Compatible with VDSL, VDSL2, ADSL, ADSL2, & ADSL2+
- Works with DSL ISPs like (check with your country's providers)

Streaming & Gaming

- Multi-user MIMO (MU-MIMO) gives you faster speeds with simultaneously streamed data for up to three devices
- Quad Stream WiFi—Up to four data streams per WiFi band maximizes connection speed
- Dynamic QoS prioritizes Internet traffic by application & device for lag-free gaming & smoother streaming
- Beamforming+ for improved WiFi coverage
- Connect USB 3.0 & eSATA storage devices to store & stream your own media
- Find & play your stored media on TVs and game consoles using the built-in DLNA®-ready server

Mobile

- Quad-Stream Wave 2 WiFi increases WiFi range for mobile devices
- Multi-user MIMO (MU-MIMO) for simultaneous streaming to mobile devices
- Beamforming+ boosts speed and range for all WiFi devices
- Powerful amplifiers and four high performance antennas increase WiFi range
- EZ Mobile Connect—Scan a QR code & connect to WiFi securely
- Turbo Transfer allows sharing of files between PC, Mac or Android devices
- Enhanced Parental Controls—Manage website access by family member and device

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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†

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 performance

CABLE OR FIBER—Also connects to cable modem or Fiber network via Gigabit Ethernet WAN port

VDSL MODEM—Compatible with VDSL, VDSL2, ADSL, ADSL2, & ADSL2+

WiFi Range

Got range? Homes come in all shapes and sizes and the Nighthawk X4S AC2600 WiFi VDSL/ADSL Modem 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

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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
- ADVANCED QoS—Downstream & upstream QoS automatically recognizes & prioritizes streaming & gaming applications
- 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!

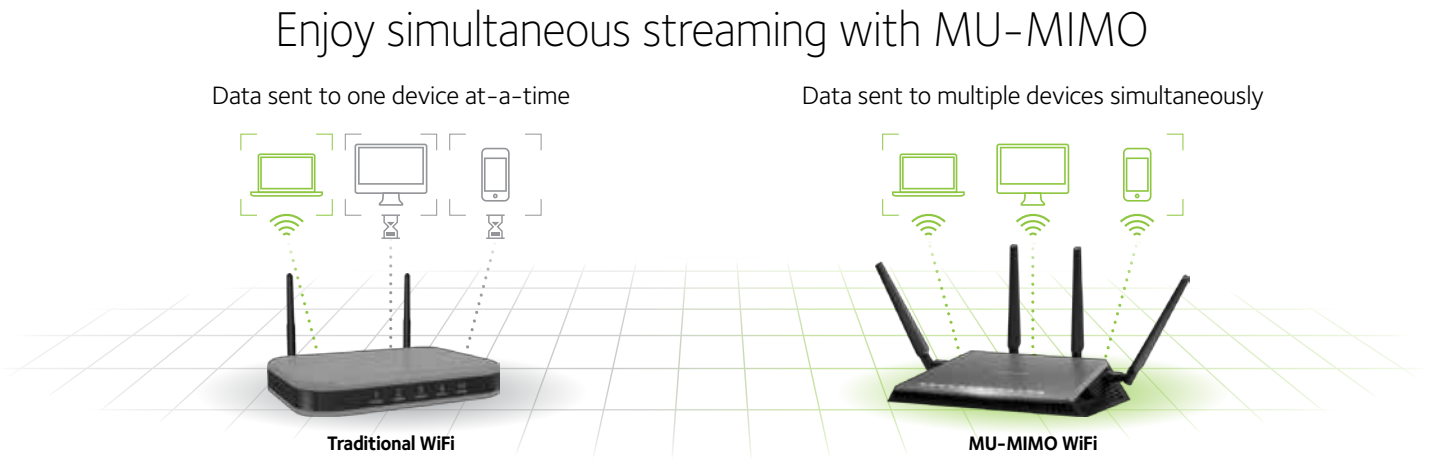
- EASY INSTALL—Easy setup for iPad®, tablets, smartphones & computers
- NETGEAR GENIE® APP—Personal dashboard to monitor, control & repair your home network
- PUSH 'N' CONNECT—Easy push button WiFi connections (WPS)
- WIFI & POWER ON/OFF—Convenient power savings

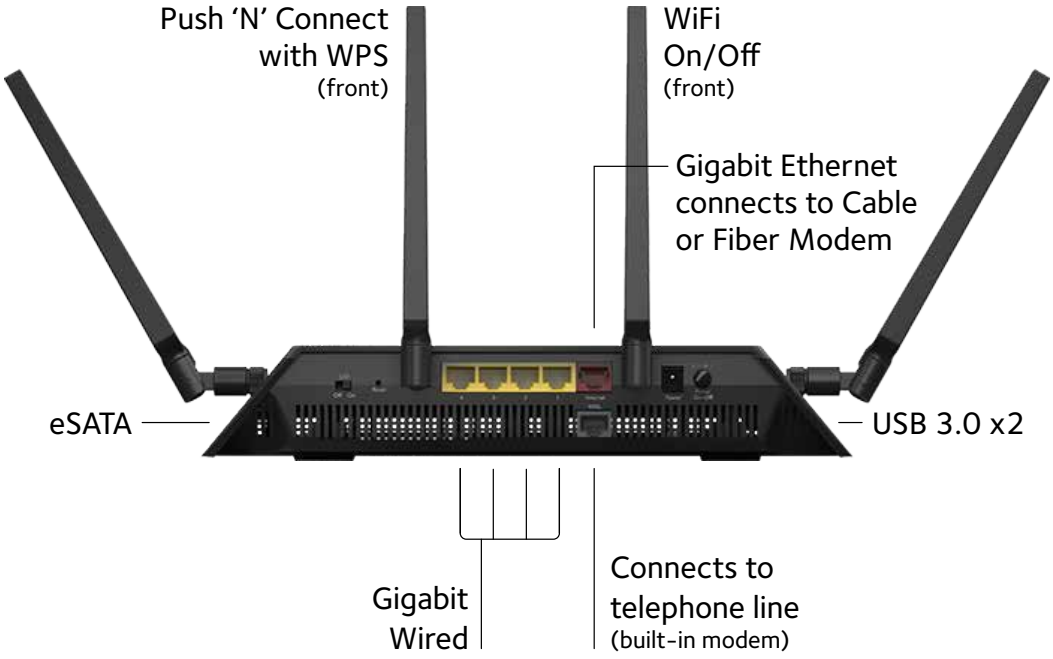
Security

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

Connection Diagram





BEAMFORMING+

For more reliable connections.

BEAMFORMING+—FOR MORE RELIABLE CONNECTIONS

Unlike typical Wi-Fi routers that just blast the Wi-Fi signals in all directions, with Beamforming+ the router & device communicate with each other, so the router can directly beam the Wi-Fi 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

GET IT ON Google play

Available on the App Store

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
- Network Map—Real-time map of all the connected devices on your network
- 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

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Package Contents

- Nighthawk X4S AC2600 WiFi VDSL/ADSL Modem Router (D7800)
- Ethernet cable
- Phone cable
- DSL filter
- 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
- One (1) VDSL/ADSL port
- 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

- High-speed VDSL2/ADSL2+ modem built-in
- AC2600 (800 Mbps @2.4GHz—256QAM support + 1733 Mbps @5GHz 11ac)†
- MU-MIMO support for simultaneous streaming
- Quad-Stream Wave 2 WiFi
- Four (4) high performance external antennas
- Dynamic QoS intelligently prioritizes video streaming & gaming
- Beamforming+ for more reliable connections
- Powerful dual core 1.4GHz processor
- Memory: 128 MB Flash and 512 MB RAM
- ReadySHARE® USB to share your USB hard drive & printer
- IPv6 support (Internet Protocol Version 6)
- On/off LED light switch

Support

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

Broadband Internet Service

- VDSL/ADSL broadband Internet service
- Cable or Fiber: Connects to cable modem via Gigabit Ethernet WAN port

System Requirements

- Microsoft® Windows 7, 8, 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/about/warranty/

SCAN TO LEARN MORE

Windows 8 Compatible

Mac

NETGEAR Green™

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 devices.

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