NETGEAR®

Nighthawk® AX6 6-Stream AX5300 WiFi Router

Upgrade to WiFi 6 for Today's Smart Devices

Built with the latest generation WiFi 6 technology, the NETGEAR® Nighthawk® AX6 6-Stream AX5300 WiFi Router provides speeds up to 5.3Gbps so you can connect, stream, and download faster to newer mobile devices. Powerful 1.5GHz triple-core processor ensures superior performance for concurrent real-time applications such as multimedia streaming, online gaming, and audio/video chats. WiFi 6 technology is 2.7x the speed of the previous standards and 160MHz channel support allows more devices to connect and stream simultaneously, without impacting speed or reliability. It includes a 1-year subscription of Armor, all-in-one security protection.

Key Features

- **Ultra-Fast WiFi**—Up to 5.3Gbps (516Mbps + 4.8Gbps)[†] wireless speeds. The Nighthawk AX6 router supports WiFi 6 (802.11ax), the latest generation of WiFi technology. Enjoy smoother streaming of 4K UHD content to smart TVs, mobile devices, and gaming consoles.

- **4.2x the Speed of an AC Router****—6-stream WiFi with up to 5.3Gbps[†] for fast wireless speeds.

- **WiFi 6 Supports All Current WiFi Devices**—Backward compatible with WiFi 5 and earlier generation devices.

- **More WiFi for More Devices**—OFDMA allows efficient data transmission at the same time.[§§]

- **Gigabit WiFi Speeds to Mobile Devices**—Gigabit WiFi connectivity. Enjoy blazing-fast connectivity to the newer devices such as Gigabit WiFi mobile devices and laptops.

- **Powerful Triple-core 1.5GHz Processor**—Smooth 4K UHD streaming to smart TVs, mobile devices and gaming consoles. Fully offloaded CPU increases overall performance of the network.

- **Four 1 Gigabit Ethernet LAN Ports**—Connect more wired devices for faster file transfer and fewer uninterrupted connections.

- **USB Port**—One (1) USB 3.0 port for faster streaming, backup, and easy access to your stored media.

- **Maximize Range**—Four (4) high-power external antennas extend wireless range coverage indoors and out.

Technical Specifications

- WiFi 6 (802.11ax) dual band WiFi (AX5300)
  - 2.4GHz AX: 2x2 (Tx/Rx) 1024/256-QAM 20/40MHz, up to 516Mbps
  - 5GHz AX: 4x4 (Tx/Rx) 1024/256-QAM 20/40/80/160MHz, up to 4.8Gbps
  - Backwards compatible with 802.11a/b/g/n/ac WiFi

- 1024-QAM—25% data efficiency and faster speeds than a 256-QAM router

- Additional DFS channels reduces interference from neighboring networks

- 160MHz channel support***—Enjoy greater than 1Gbps WiFi speeds for blazing-fast streaming and downloading to newer mobile devices

- Memory—512MB NAND flash and 512MB DDR4 DRAM

- Powerful 1.5GHz triple-core processor

- Five (5) 10/100/1000Mbps Gigabit Ethernet ports
  - 1 WAN & 4 LAN

Services & Security

- NETGEAR Smart Parental Controls™[§]—Easily manage your kids' time online across their devices and build healthy Internet habits both at home and anywhere they go. Learn more at www.netgear.com/spc

- NETGEAR Armor™—Powered by Bitdefender[††]—All-in-one Internet security automatically protects your connected devices at home from hackers and guards against sensitive information from being stolen. Learn more at: www.netgear.com/armor

- Standards-based WiFi security (802.11i, 128-bit AES encryption with PSK)

- Latest security standard—Supports WPA3 the latest and cutting-edge WiFi security protocol

- Auto-firmware update delivers latest security patches to the router

- VPN support—Secure access to your home network when away from home

- SPI firewall blocks unintended access from the Internet

- Access control prevents rogue devices connecting to your network

- Guest network

Nighthawk® AX6 6-Stream AX5300 WiFi Router

Package Contents

- NETGEAR® Nighthawk® AX6/6-stream AX5300 WiFi 6 Router (RAX49S)
- Ethernet cable
- 4 external antennas
- Quick start guide
- Power adapter

Physical Specifications

- Dimensions: 11.65 x 8.11 x 2.25 in (295.8 x 206 x 57.2 mm)
- Weight: 1.25 lb (566 g)

System Requirements

- Broadband Internet service (DSL/cable/fiber/satellite)
- One DSL/cable/fiber/satellite modem that has an RJ45 connector
- Android® phones, iPhones®, or computers (with a browser) with Ethernet or WiFi connection

Warranty & Support

- www.netgear.com/warranty
- Visit: www.netgear.com/home/services/prosupport to extend your warranty & technical support [U.S. only]
- 90-day complimentary technical support following purchase from a NETGEAR authorized reseller*
- Join the NETGEAR Community Forum. Visit http://community.netgear.com

Connection Diagram

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

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

† Maximum wireless signal rate derived from IEEE® 802.11 specifications. Actual data throughput and wireless coverage will vary and be lowered by network and environmental conditions, including network traffic volume, device limitations, and building construction. NETGEAR makes no representations or warranties about this product's compatibility with future standards. Up to 5300Mbps wireless speeds achieved when connecting to other 802.11ax 5300Mbps devices.

††NETGEAR Armor™ requires a paid subscription after the initial 1-year free trial.

§ 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.

** When working with 160MHz clients as compared to a 2x2 AC router that does not support 160MHz.

*** Requires client device that supports 160MHz bandwidth on WiFi.

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

For indoor use only.

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NETGEAR, Inc. 350 E. Plumeria Drive, San Jose, CA 95134-1911 USA, www.NETGEAR.com/support

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