

# Nighthawk® RAXE290

## AXE7300 Tri-Band WiFi 6E Router



### Experience Next-Gen WiFi 6E Performance

Unleash ultra-fast 7.3Gbps<sup>†</sup> speeds and experience WiFi 6E's new 6GHz "express lane" with the NETGEAR® Nighthawk® RAXE290 Tri-Band WiFi 6E Router. With 8 WiFi streams and unmatched performance, the RAXE290 boosts capacity and reduces interference for smoother 4K/8K video streaming and AR/VR gaming. Your most demanding tech gets wired connections with one 2.5G and five Gigabit Ethernet ports. Sending maximum Gigabit Internet speeds across your 2,500 sq. ft. home, this exceptional value keeps up with everything your family does. It includes a 1-year subscription of Armor, all-in-one security protection.

#### Key Features

- **Fastest WiFi with up to 7.3Gbps Combined Speeds**—AXE7300 tri-band WiFi offers combined wireless speeds up to 7.3Gbps (0.6+4.8+1.9Gbps)<sup>†</sup>.
- **NETGEAR Tri-Band & New 6GHz "Express Lane"**—Award-winning tri-band technology combined with WiFi 6E's new exclusive band boosts capacity and reduces interference.
- **Built for Multi-Gig Speeds**—Use the 2.5G Ethernet port or 2Gbps link aggregation to send Gigabit+ WiFi speeds across your 2,500 sq. ft. home.
- **8-stream Speed & Coverage**—8 WiFi streams provide faster speeds and broad coverage with more bandwidth and less congestion for all devices on WiFi.
- **Lets Your Family Do It All at Once**—You need strong WiFi 24/7, and with support for up to 40 devices, no one has to make a sacrifice.
- **WiFi 6E Optimized Processor**—1.7GHz quad-core processor ensures smooth 8K UHD streaming & gaming—ideal for Gigabit Internet speeds.
- **More Efficiency, Less Congestion**—OFDMA<sup>§</sup>, 1024-QAM, and MU-MIMO<sup>\*\*\*</sup> technologies make shared bandwidth much more efficient and prevent connection delays.
- **Longer Battery Life for WiFi 6E & 6 Devices**—Target Wake Time makes more efficient device/router communication, reducing energy consumption and bandwidth use and improving battery life.
- **Comprehensive Features**—Use ReadySHARE<sup>®</sup> USB to share a file from any connected device, the VPN to protect your privacy, and more.

#### Technical Specifications

- WiFi 6E (IEEE® 802.11ax) tri-band WiFi (AXE7300) 8 streams
  - 2.4GHz AX: 2x2 (Tx/Rx) 1024/256-QAM 20/40MHz, up to 600Mbps
  - 5GHz AX: 4x4 (Tx/Rx) 1024/256-QAM 20/40/80/160MHz, up to 4.8Gbps
  - New 6GHz AX: 2x2 (Tx/Rx) 256-QAM 20/40/80/160MHz, up to 1.9Gbps
- MU-MIMO<sup>\*\*\*</sup> and OFDMA<sup>§</sup>—Simultaneous streaming of data to multiple devices delivers improved capacity, efficiency, and speed
- 1024-QAM—25% data efficiency and faster speeds than a 256-QAM router
- Powerful quad-core 1.7GHz processor
- Six (6) high-performance antennas<sup>\*\*</sup> and Beamforming+—Improved range and performance with more reliable WiFi signals over a larger area
- Dynamic QoS to prioritize Internet traffic by application and device for smoother streaming
- Five (5) 10/100/1000Mbps Gigabit Ethernet ports + One (1) 2.5GbE Multi-Gig Internet/LAN port
  - LAN:
    - 4x GbE (2x port aggregation LAN)
    - 1x 1GbE Internet/LAN port (configurable)
    - 1x 2.5GbE Multi-Gig Internet/LAN port (configurable)
- Multi-Gig—Ability to aggregate two Gigabit LAN ports (configurable) concurrently
- One (1) USB 3.0 port Type-C for network storage
- Memory—256MB NAND flash and 512MB DDR4 DRAM
- Additional DFS channels reduce interference from neighboring networks

#### Services & Security

- NETGEAR Smart Parental Controls<sup>™∞</sup>—Easily manage your kids' time online across their devices and build healthy Internet habits. Learn more at [www.netgear.com/spc](http://www.netgear.com/spc)
- NETGEAR Armor<sup>™</sup>—Powered by Bitdefender<sup>††</sup>—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](http://www.netgear.com/armor)
- 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

Package Contents

- Nighthawk® AXE7300 Tri-Band WiFi 6E Router (RAXE290)
- Ethernet cable
- Quick start guide
- Power adapter

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

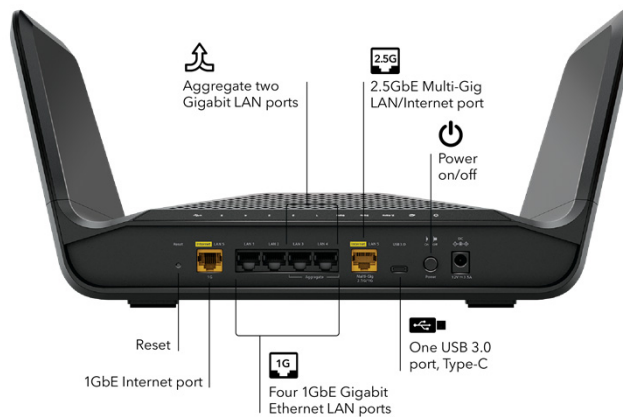
Warranty & Support

- [www.netgear.com/warranty](http://www.netgear.com/warranty)
- Visit: [www.netgear.com/home/services/prosupport](http://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>

Physical Specifications

- Dimensions:
  - Folded size: 11.86 x 8.16 x 3.23 in (301.33 x 207.9 x 82.03 mm)
  - Unfolded size: 13.64 x 8.16 x 6.47 in (346.5 x 207.9 x 164.3 mm)
- Weight: 2.23 lb (1.01 kg)

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.

\*\* 6GHz band is limited to indoor range.

\*\*\*MU-MIMO capability requires both router and client device to support MU-MIMO. The country settings must be set to the country where the device is operating.

† 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 7.3Gbps wireless speeds achieved when connecting to other 802.11ax 7.3Gbps devices.

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

§ NETGEAR Smart Parental Controls™ are not available in all regions and countries. Visit [www.netgear.com/NETGEAR-SPC-availability](http://www.netgear.com/NETGEAR-SPC-availability) for availability. NETGEAR Smart Parental Controls™ Premium requires a paid subscription after the 30-day free trial.

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

For indoor use only.

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