



## WiFi 6E: Expanding WiFi with New Speeds

Introducing WiFi 6E, delivering the smoothest and fastest streaming, eLearning, video conferencing, and gaming experience. Now you can have all the power of 6th generation WiFi plus expanded speeds, connections, and capacity with a completely new and wider 6GHz WiFi band that has up to 3.5X more WiFi channels. Up to 8x faster<sup>Δ</sup> WiFi speeds up to 9.56Gbps<sup>†</sup> power smart home automation, ultra-smooth 4K/8K streaming, low latency gaming, and more. It includes a 30-day subscription of NETGEAR Armor™, all-in-one security protection and Smart Parental Controls to manage your kids' time online.

### Key Features

- **New 6GHz WiFi Band\*\***—Access the smoothest and fastest streaming experience for eLearning, video conferencing, and AR/VR gaming.
- **Fastest WiFi with up to 9.56Gbps Combined Wireless Speed**—AXE10000 Tri-Band WiFi with combined wireless speeds up to 9.56Gbps (0.92+3.84+4.8Gbps)<sup>†</sup>.
- **12-stream Tri-band WiFi**—Tri-Band WiFi 6E delivers multiple 4K/8K streaming, ultra-low latency gaming & new blazing-fast Internet speeds.
- **Greater than 1 Gbps WiFi Speeds**—Enjoy streaming even more with ultra-fast WiFi speeds to compatible smartphones, laptops and more.
- **WiFi 6E Optimized Processor**—64-bit 1.8GHz quad-core processor ensures smooth 4K UHD streaming & gaming - ideal for Gigabit Internet speeds.
- **Ultra-low Latency**—Very few devices on new 6GHz band means lower latency for gaming and real-time traffic.
- **Multi-Gig Ethernet Port 2.5G**—2.5x the wired speed of a typical Gigabit port, to be used for LAN or Internet connectivity.
- **WiFi 6 Supports All Current WiFi Devices**—Backward compatible with WiFi 5 and earlier generation WiFi devices.

### Technical Specifications

- WiFi 6E (IEEE® 802.11ax) tri-band WiFi (AXE10000)
  - 2.4GHz AX: 2x2 (Tx/Rx) 256-QAM 20/40MHz, up to 0.92Gbps
  - 5GHz AX: 4x4 (Tx/Rx) 256-QAM 20/40/80/160MHz, up to 3.84Gbps
  - New 6GHz AX: 2x2 (Tx/Rx) 1024/256-QAM 20/40/80/160MHz, up to 4.8Gbps
  - Backwards compatible with IEEE 802.11 a/b/g/n/ac WiFi
  - Supports new WiFi 6E devices on 6GHz WiFi band
- OFDMA<sup>§</sup>—Improved capacity and efficiency
- Powerful 64-bit quad-core 1.8GHz processor
- Longer range with 8 high-performance antennas<sup>™</sup>
- MU-MIMO<sup>\*\*\*</sup>—Simultaneous streaming of data to multiple devices
- 1024-QAM—25% data efficiency and faster speeds than a 256-QAM router
- Five (5) 10/100/1000Mbps Gigabit Ethernet ports + One (1) 2.5GbE/1GbE Multi-Gig Internet/LAN port
  - LAN: 4x GbE (2x port aggregation LAN) + 1x 2.5GbE/1GbE Multi-Gig LAN port (configurable)
  - Internet: 1GbE or 2.5GbE/1GbE Multi-Gig port or 2x port aggregation Internet (configurable)
  - Multi-Gig—Ability to aggregate two Gigabit LAN ports for LAN access and to aggregate the Gigabit Internet port and one Gigabit LAN port for Internet access (configurable) concurrently
- Two (2) USB 3.0 ports
- Memory—512MB NAND flash and 1GB DDR3 SDRAM
- Additional DFS channels reduce interference from neighboring networks

### Services & Security

- Nighthawk® App—Easily set up your router, manage your network from anywhere, pause the Internet on any device, track your Internet data usage, and more.
- NETGEAR Armor™—Protect your family's WiFi with an automatic shield of security for your connected devices. Real-time protection against hackers getting into devices like laptops, phones, security cameras, & door locks, as well as alerts when sensitive data may be stolen. Plus, added privacy protection with VPN for secure network access Learn more at: [www.netgear.com/armor](http://www.netgear.com/armor)
- Award-winning NETGEAR® Smart Parental Controls™ easily manages your kids' exposure & time online across all their connected devices to build healthy habits wherever they are, with a Premium SPC subscription<sup>1</sup>
- Supports WPA3, the latest and cutting-edge WiFi security protocol
- Standards-based WiFi Security (802.11i, 128-bit AES encryption with PSK)
- 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® AXE10000 Tri-Band WiFi 6E Router (RAXE450)
- Ethernet cable
- Quick start guide
- Power adapter

Physical Specifications

- Dimensions: 11.7 x 3.07 x 8.3 in (298 x 78 x 211 mm)
- Weight: 3.2 lb (1.45 kg)

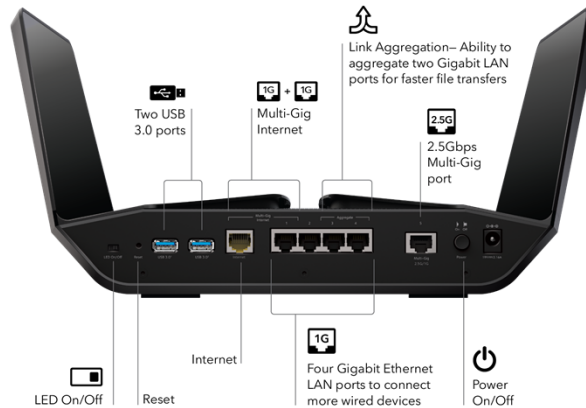
System Requirements

- 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)
- Extend your warranty & technical support within 90 days of product purchase [US only]. Visit: [www.prosupport.netgear.com/home](http://www.prosupport.netgear.com/home)
- 1-year technical support for Costco customers. Complimentary technical support following purchase from Costco. [www.netgear.com/support](http://www.netgear.com/support)
  - Dedicated technical support for Costco Members (888) 228-4719\*
- Join the NETGEAR Community Forum. Visit: <http://community.netgear.com>

Connection Diagram



This product comes with a 1-year limited warranty that is valid only if purchased from a NETGEAR authorized reseller.

\* 1-year technical support for Costco customers. Complimentary technical support following purchase from Costco.

\*\*Clients must support 6GHz band (WiFi 6E).

^As compared to a WiFi 5 (802.11ac) router.

† 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 9.56Gbps wireless speeds achieved when connecting to other 802.11ax 9.56Gbps devices.

††NETGEAR Armor™ requires a paid subscription after the initial 30-day free trial. (No credit card required for the trial).

‡ NETGEAR Smart Parental Controls™ fees apply for a Premium Plan. Visit [www.netgear.com/spc](http://www.netgear.com/spc) for more information.

\*\*\*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.

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

For indoor use only.

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TS-RAXE450-0