



# NETGEAR AXE3000 WiFi 6E USB 3.0 Adapter User Manual

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# NETGEAR®

**NETGEAR AXE3000 WiFi 6E USB 3.0 Adapter**



## Product Information

### Technical Specifications A8000

- Instantly Access WiFi 6 & 6E via USB
- Supports WiFi platforms of all your tech devices — today's, tomorrow's, and yesterday's— for ultimate ease of use.
- Bands are not concurrent, but alternate depending on the fastest speed needed for the connected devices.
- WiFi 6E requires use with Wireless Router/Gateway that supports 6GHz band (WiFi 6E). 6GHz band is limited to indoor range. 6GHz band only supported by Windows 11.
- 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.

### Product Package Contents

- Technical Specifications A8000
- System Requirements (32/64-bit)
- Support Warranty

### Product Physical Specifications

- USB Interface: USB 3.0
- Dimensions: 121.5 mm x 22 mm x 10.5 mm
- Weight: 20 g

## Product Usage Instructions

1. Insert the A8000 into an available USB port on your device.
2. Ensure that your device is connected to a Wireless Router/Gateway that supports WiFi 6 or WiFi 6E.
3. Make sure that both the router and client device support MU-MIMO for optimal performance.
4. Set the country settings on your device to the country where the device is operating for regulatory compliance.
5. Visit [www.netgear.com/about/regulatory](http://www.netgear.com/about/regulatory) for more information on regulatory compliance.

## Instantly Access WiFi 6 & 6E via USB

It's never been easier to get powerful WiFi 6E Internet service on your legacy laptop or desktop! With the Nighthawk® WiFi 6E USB 3.0 adapter, just plug in for superior speed, capacity, and bandwidth over WiFi 5 at home or on-the-go. Featuring shared tri-band, the A8000 auto-senses the right band for your device: 2.4GHz, 5GHz, or the 6GHz express lane for 6E devices\*. Enjoy smoother, faster data transfers, gaming, and HD streaming on any WiFi platform—with or without your router. Find the best WiFi signal and coverage with the flip-open antenna.

## Key Features

- **WiFi 6E from the WiFi Leader\***—Plug in and access cutting-edge WiFi 6E to enjoy superior WiFi speed, capacity, and bandwidth over WiFi 5—where reception is weak. No network card or ISP plan is needed. Just connect to your USB 3.0 port.
- **Tri-Band Performance & Speeds††**—Featuring shared tri-band, the A8000 auto-senses your device's technology and connects to the right band: 2.4GHz, 5GHz, or 6GHz.
- **New 6GHz Express Lane\***—The newest WiFi 6E devices access the exclusive 6GHz express lane, for turbo-charged speeds and next-level performance.
- **Future-proofed & Backward Compatible WiFi**—This WiFi 6/6E adapter supports the WiFi platforms of all your tech devices —today's, tomorrow's, and yesterday's— for ultimate ease of use.
- **Flip-open Antenna Design**—Easily adjust the flexible antenna to find the strongest signal and best coverage near your computer. Two (2) internal high-gain antennas improve performance.
- **Super-speed USB 3.0**—Get a faster USB connection to your computer—up to 10 times faster than USB 2.0.
- **Compatible with Any WiFi Router**—Connects to any router, though a WiFi 6E router is required to access that platform. Works best with the NETGEAR Nighthawk Ecosystem and Orbi mesh products.
- **Includes Cradle**—The flip-open WiFi 6/6E transceiver sits in a compact cradle that's easy to mount on metal surfaces, allowing flexible placement in and around the computer.

## Technical Specifications

- WiFi 6/6E (IEEE® 802.11ax) (AXE3000)
  - 2.4GHz AX: 2x2 (Tx/Rx) 1024/256-QAM 20/40MHz, up to 600Mbps
  - 5GHz AX: 2x2 (Tx/Rx) 1024/256-QAM 20/40/80, up to 1200Mbps
  - New 6GHz AX: 2x2 (Tx/Rx) 1024/256-QAM 20/40/80, up to 1200Mbps
- Backwards compatible with IEEE 802.11 a/b/g/n/ac WiFi
- USB 3.0—Up to 10 times faster than USB 2.0

- MU-MIMO—2-stream MU-MIMO on each band (2.4GHz/5GHz/6GHz)††
- OFDMA—Allows efficient data transmission to devices simultaneously§
- Beamforming+—Improves range and performance for 2.4GHz, 5GHz & 6GHz devices

## Security

- **WPA3**—Latest and cutting-edge WiFi security protocol

## Package Contents

- Wireless AXE3000 WiFi 6E USB 3.0 Adapter (A8000)
- USB 3.0 cable with cradle
- Quick start guide

## System Requirements

- Windows OS computer
- Best performance with USB 3.0; compatible with USB 2.0
- Microsoft® Windows® 10, 11∞ (32/64-bit)

## Support

- 90-day complimentary technical support\*

## Physical Specifications

- Adapter Dimensions & Weight
  - Dimensions: 3.66 x 1.24 x 0.57 in (93.0 x 31.4 x 14.45 mm)
  - Weight: 0.99 oz (28 g)
- Cradle Dimensions & Weight
  - Dimensions: 2.49 x 1.76 x 1.39 in (63.14 x 44.67 x 35.19 mm)
  - Weight: 3.17 oz (90 g)

## Warranty

- [www.netgear.com/warranty](http://www.netgear.com/warranty)
- 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.
- Bands are not concurrent, but alternate depending on the fastest speed needed for the connected devices.
- WiFi 6E requires use with Wireless Router/Gateway that supports 6GHz band (WiFi 6E). 6GHz band is limited to indoor range.
- 6GHz band only supported by Windows 11.

- Requires compatible AX clients with DL-OFDMA and UL-OFDMA support.
- 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.
- For regulatory compliance information, visit [www.netgear.com/about/regulatory](http://www.netgear.com/about/regulatory)
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- NETGEAR, Inc. 350 E. Plumeria Drive, San Jose, CA 95134-1911 USA, [www.NETGEAR.com/support](http://www.NETGEAR.com/support)

Documents / Resources

	<p><a href="#">NETGEAR AXE3000 WiFi 6E USB 3.0 Adapter</a> [pdf] User Manual A8000, AXE3000, AXE3000 WiFi 6E USB 3.0 Adapter, WiFi 6E USB 3.0 Adapter, 6E USB 3.0 Adapter, USB 3.0 Adapter, Adapter</p>
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References

- [N Regulatory | NETGEAR](#)
- [N NETGEAR Support | NETGEAR](#)
- [N HARDWARE WARRANTY | PRODUCTS COVERED BY WARRANTY | NETGEAR](#)