



# EXPERIENCE THE FREEDOM, FLEXIBILITY AND PERFORMANCE OF WI-FI 6 IN YOUR DESKTOP PC

Ditch the Ethernet cable and free your desktop PC.

Wouldn't it be great if you weren't stuck next to your nearest Ethernet port to exceed gigabit connectivity on your desktop PC? The Intel® Wi-Fi 6 (Gig+) Desktop kit includes everything you need to take advantage of gigabit+ speeds anywhere in your home, so you can wirelessly work, learn or play faster than ever before. And it automatically detects the country you're in and complies with its Wi-Fi regulations. For fast and responsive connections, PCs should connect to a Wi-Fi 6 (Gig+) router powered by Intel technology.



## NEARLY 3X FASTER DATA RATES<sup>1</sup>

That means smoother video streaming for 4K and HD movies throughout the home, faster downloads and backups, and more.

## ULTRA-RESPONSIVE WITH UP TO 75% REDUCED WI-FI LATENCY<sup>2</sup>

Slash the lag time of previous-generation Wi-Fi for more immersive gaming experiences and seamless video conferencing.

## IMPROVED SECURITY<sup>3</sup>

Whether you're working, banking or sharing sensitive information online, you can connect with greater confidence and peace of mind with built-in WPA3 security. WPA3 strengthens data encryption and protection against attacks, while simplifying passwords.

## EASY INSTALLATION

Most Intel® Wi-Fi 6 (Gig+) Desktop kit installations can be completed in 10 minutes or less.



## GLOBAL INTEL SUPPORT

Access worldwide support from Intel via phone, chat or web. The Intel® Wi-Fi 6 (Gig+) Desktop kit is also covered by Intel's warranty program.

## BLUETOOTH SUPPORT

In addition to Wi-Fi 6, this Desktop kit also provides Bluetooth support to connect to Bluetooth-enabled devices, such as headsets, mice, keyboards and more.

<sup>1</sup> Nearly 3X Faster: 802.11ax 2x2 160 MHz enables 2402 Mbps maximum theoretical data rates, ~3X (2.8X) faster than standard 802.11ac 2x2 80 MHz (867 Mbps) as documented in IEEE 802.11 wireless standard specifications, and require the use of similarly configured 802.11ax wireless network routers.  
<sup>2</sup> 75% Latency reduction: Is based on Intel simulation data (79%) of 802.11ax with and without OFDMA using 9 clients. Average latency without OFDMA is 36ms, with OFDMA average latency is reduced to 7.6ms. Latency improvement requires that the 802.11ax (Wi-Fi 6) router and all clients support OFDMA.

<sup>3</sup> WPA3 Wi-Fi Security Features: The Wi-Fi Alliance industry consortium will certify Wi-Fi 6 products for compliance with the IEEE 802.11ax standard, and will require WPA3 security certification as a pre-requisite to ensure the latest in Wi-Fi security features. WPA3 Simplified Passwords: WPA3 uses Simultaneous Authentication of Equals (SAE) to replace the Pre-Shared Key (PSK) exchange protocol used by WPA2. SAE more securely handles initial key exchange and uses forward secrecy, which makes it more resistant to offline de-cryption attacks and provides stronger password-based authentication. WPA3 Enhanced Protection: Additional network protection comes from the equivalent of 192-bit cryptographic strength across an 802.11ax network and is superior to the 128-bit AES encryption utilized with WPA2. Gigabit Wi-Fi Requirements: To achieve speed of over 1 Gbps requires Gig internet service, router/gateway with either Wi-Fi 6 or 11ac with 160 MHz channel support, and PC with Intel® Wireless 9260/9560 or Intel® Wi-Fi 6 (Gig+) AX200/AX201.

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