PCE-AX58BT

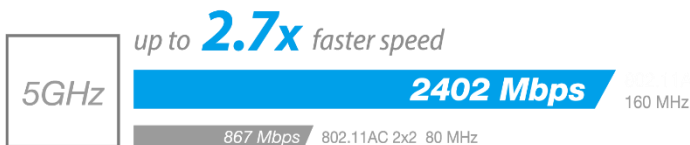## AX3000 Dual-Band PCIe 160MHz Wi-Fi Adapter

- **Next-Gen Wi-Fi Standard** - WiFi 6 (802.11ax) standard for better efficiency and throughput.
- **Ultrafast Wi-Fi Speed** - 3000 Mbps WiFi speed to handle even the busiest network with ease.
- **802.11ax technology** - With OFDMA and MU-MIMO, WiFi 6 enables more efficient, stable, and faster transmission even when multiple devices are transmitting data at the same time.
- **Bluetooth 5.0 for faster, further coverage** - Transfer data up to twice as fast as before, and with 4X the range.
- **Reducing dead zones with external antenna** - Freestanding transceiver and connecting cable allows easy positioning for the best reception.

* Note : PCE-AX58BT only supports PCI-Express x1 standard, please install the adapter in PCI-e x1 slot.

2.7X Faster WiFi, Even in Crowded Networks

With WiFi 6 (802.11ax) technology and wide 160 MHz bandwidth, ASUS PCE-AX58BT delivers wireless speeds that are up to 2.7X faster than WiFi 5 (802.11ac) devices. A revolutionary combination of OFDMA and MU-MIMO technologies ensures the most efficient WiFi connection for your PC.

up to **2.7x** faster speed

5GHz

2402 Mbps 160 MHz

867 Mbps / 802.11AC 2x2 80 MHz

Still Fast, Even In Crowded Network

ASUS PCE-AX58BT pairs trusted MU-MIMO connectivity and innovative OFDMA technology to efficiently allocate bandwidth and communicate with multiple devices simultaneously. The upshot is smoother WiFi connections and the fastest attainable speeds for all devices*.

*Disclaimer: MU-MIMO supported router and client required

Better WiFi with Optimal Antenna Placement

ASUS PCE-AX58BT comes with an external transceiver that allows you to position the antennas outside of your PC chassis and adjust their angle for less interference and optimal signal reception.

Bluetooth 5.0

WiFi 6

Instant Bluetooth Upgrade – 2X Faster and 4X Wider

Slot ASUS PCE-AX58BT into your PC for an instant upgrade to the latest Bluetooth 5.0 technology. You'll benefit from the convenience of wireless connectivity with a wide range of devices, including speakers, headphones and game controllers, plus transmission speeds that are up to 2X faster – and with up to 4X-greater range.

The Latest WPA3 Network Security

ASUS PCE-AX58BT comes with the latest WPA3 Wi-Fi security standard, providing your PC with an extra layer of protection against external attacks to give you added peace of mind.

What's Inside the Box

- 1 x ASUS PCE-AX58BT WLAN Card
- 1 x Antenna Base
- 2 x Antenna
- 1 x Low Profile Bracket
- 1 x Motherboard USB Cable
- 1 x Quick Start Guide
- 1 x Warranty Card

Specifications

- Network Standard
  - IEEE 802.11a/b/g/n/ac/ax
- Host Interface
  - PCI-Express x1(Only compatible with PCI-Express x1 slots)
- Frequency
  - Dual Band 2.4G & 5G
- Bluetooth Standard
  - Bluetooth 5.0
- Data Rate
  - 802.11b: up to 11Mbps
  - 802.11a/g: up to 54Mbps
  - 802.11n: up to 300Mbps
  - 802.11ac: up to 1733Mbps
  - 802.11ax (2.4GHz): up to 574Mbps
  - 802.11ax (5GHz): up to 2402Mbps
- Antenna
  - Dual Band External Antenna base x 1
- OS Support
  - Windows 10 64bit

Connectivity

Product	AX3000 Wireless LAN PCI Express x1 Card
Chipset Solution	Intel AX200
Standard	IEEE 802.11abgn/ac/ax, 802.11d/802.11e/802.11h/802.11i/802.11w/802.11r/802.11k/ 802.11v pending OS support/ Fine Time Measurement base on 802.11REVmc.
Bus Type	PCI Express x1 interface
Frequency Band	Dual Band 2.4G & 5G
Bluetooth Standard	Bluetooth 5.0
Data Rate (2.4G)	802.11b up to 11Mbps 802.11g up to 54Mbps 802.11n up to 300Mbps 802.11ax up to 574Mbp(40MHz,1024QAM,2.4G)
Data Rate (5G)	802.11a up to 54Mbps 802.11n up to 300Mbps 802.11ac up to 1733Mbps (160MHz) 802.11ax up to 2402Mbps (160MHz,5G)
Wi-Fi Alliance	Wi-Fi CERTIFIED a/b/g/n/ac with wave2 feature, WMM,WMM-PS,WPA,WPA2,WPS2,protected management Frames, Wi-Fi Mircast as Source, and Wi-Fi Direct
Authentication	64/128-bit WEP,WPA/2 personal and Enterprise, WPA3
Authentication Protocols	PAP/CHAP/TLS/MS-CHAP/MS-CHAPv2
Encryption	64bit and 128bit WEP/TKIP/128bit AES-CCMP
Wi-Fi Direct Encryption and Authentication	WPA2-PSK/AES-CCMP
Antenna	Dual Band External Antenna base x1
Drivers	Windows 10 64bit