

AX3000 Dual Band 802.11ax & Bluetooth 5.0 PCI Express Adapter

EW-7833AXP

FEATURES

- **Next-Gen WiFi 6 Standard:** 802.11ax WiFi standard for better efficiency and throughput.
- **Ultrafast WiFi Speed:** 3000Mbps WiFi speed to handle even the busiest network with ease.
- Comply with IEEE 802.11abgn/ac/ax standards.
- **OFDMA and MU-MIMO Technology:** Full Speed Wi-Fi on Multiple Devices Simultaneously.
- **Bluetooth 5.0:** Faster Speeds and Greater Range.
- **Different Mount:** Magnate wall antenna mount or compact mount
- **Secure Wi-Fi:** High level Wi-Fi security supported with WPA3-SAE (Personal), WPA2, WPA, WEP and 802.1X
- PCI Express x1 or x4 interface.
- Support low profile bracket.

OVERVIEW

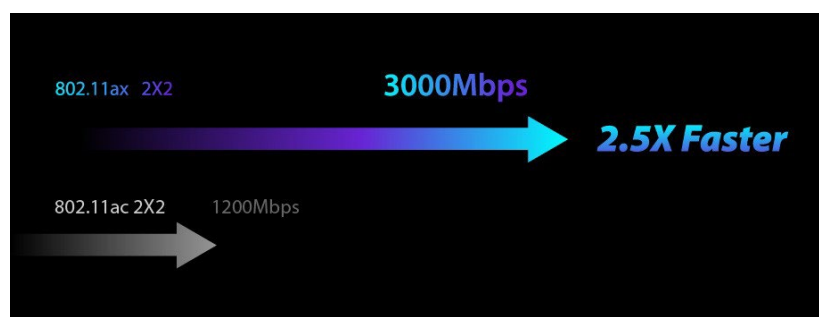
The Edimax EW-7833AXP PCI-E Wi-Fi adapter provides superior dual-band AX3000 Wi-Fi performance for server backbone and switching infrastructure applications, it delivers wide compatibility, fitting any x1 or x4 slot. With 160MHz bandwidth and higher modulation scheme, EW-7833AXP speeds up to 2400Mbps on the 5 GHz band that's 2.5 times faster than standard 802.11ac Wi-Fi, allowing you enjoying faster and more stable connections. Besides, high-speed design and powerful antenna ensures long range wireless coverage.

Latest 11 ax Packed in One Small PCI-E Card

You want to experience the latest tech in connectivity? The EDIMAX EW-7833AXP packs the all-new latest 11 ax Wi-Fi 6 technology into a small package that fully extends the performance and usability of your desktop PC. Simply plug it into the PCI-E x1 or x4 socket and enjoy blazing fast internet Wi-Fi connection right away.

Upgrade to 11ax Wi-Fi | The Next-gen Standard

The EW-7833AXP optimizes your Wi-Fi connectivity speed by operating both 2.4GHz and 5GHz that ensures an interference-free performance. While you're enjoying HD video streaming or playing online games over the 5GHz band, other tasks, such as emailing, online chatting, or web surfing can be well handled by the 2.4GHz simultaneously.



OFDMA and MU-MIMO Technology

This is a whole new way of delivering data packages. No longer wait for single packages to be delivered one after the other to your devices, now you can experience data sent to multiple devices at the same time.

The Addition | Bluetooth 5.0

Not only the 7833AXP comes with the all-new Wi-Fi 6 standard technology, it also comes with Bluetooth 5, which has extended range, speed and stability compared to the previous Bluetooth 4.2 standard.

	Bluetooth 5	Bluetooth 4.2
2X Data Rate	2 Mbps	1 Mbps
4X The Range	40 Meters	10 Meters

* Range and speed may differ depending on the testing environment.

Antenna Customization | Magnate Wall Antenna Mount or Compact Mount

Chose your preferred setup, connect the antennas directly onto the PCI-E card for a compact fit or connect it to the external antenna connector to extend the reach. The external base comes magnetized to be mounted easily on magnetic surfaces.

Gold Plated for Performance

A gold plated connection that resists oxidation, in conjunction with the heatsink, the EW-7833AXP is ready to perform.

Move Your PC Around | Wireless PC for Work and Play

Held down by the cable? Move your PC to wherever you want with the PCI-E Wi-Fi card. You no longer need to place your pc near a wired internet socket.

WPA3 Security

This is another level of security over the older WPA2 generation technology. By making things simpler and more secure, the WPAsecurity enables a further security .

SPECIFICATIONS

HARDWARE	
Interface	• PCI Express x1
Operating Frequency	• Wi-Fi 2.4 GHz / 5 GHz • Bluetooth 5.0
Antenna	• 2x SMA Antenna
Security	• WPA3-SAE (Personal), WPA2, WPA, WEP and 802.1X
Dimension	• 97(W)x68mm(D) Without bracket • 97(W)x120mm(D) With bracket
Weight	• 86.7g Without antenna base
OTHERS	
Standards	• 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.
Transmit Power	2.4GHz:
	5GHz:
	<ul style="list-style-type: none"> • 11b(11Mbps): 15.50dBm (CE) 18.75dBm (FCC) • 11g(54Mbps): 16.0dBm (CE) 16.5dBm (FCC) • 11n(20MHz, MCS7): 16.0dBm (CE) 16.5dBm (FCC) • 11n(40MHz, MCS7): 14.75dBm (CE) 14.75dBm (FCC)
	<ul style="list-style-type: none"> • 11a(54Mbps): 16.0dBm (CE) 18.0dBm (FCC) • 11n(20MHz, MCS7): 16.0dBm (CE) 18.0dBm (FCC) • 11ac(80MHz, MCS9): 14.5dBm (CE) 14.0dBm (FCC) • 11ax(60MHz, MCS11): 12.0dBm (CE) 12.0dBm (FCC)
Certification	• CE(Europe), FCC(U.S.), IC(Canada), NCC/BSMI(Taiwan)
Supported Operating System	• 256MB RAM / 100MB Hard Disk Space (at least) • Windows 10/11, Linux Kernels 5.1.0~5.2.3
Environment	• Operating Temperature: 0°C~40°C(32°F~104°F) • Storage Temperature: -20°C~65°C(-4°F~149°F)

Maximum performance, actual data rates, and coverage will vary depending on network conditions and environmental factors. Product specifications and design are subject to change without notice.
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