



AX1800 Wi-Fi 6 Dual-Band USB 3.0 Adapter

EW-7822UMX

FEATURES

- **AX1800 Wi-Fi 6 Blazing Speed:** Max. data transfer rate up to 1201Mbps (5GHz) and 573Mbps (2.4GHz)
- **High Performance 802.11ax Technology:** Supports OFDMA and MU-MIMO allowing greater Wi-Fi efficiency
- **Secure Wi-Fi:** High level Wi-Fi security supported with WPA3-SAE (Personal), 802.1x, WEP, WPA TKIP and WPA2 AES/Mixed mode for PSK & TLS
- **Easy Installation:** Simple and quick 3-step installation via a USB 3.0 port
- **Instant Upgrade to Wi-Fi 6:** Simply and quickly adds Wi-Fi 6 to your PC and laptop via USB port
- **Wide Compatibility:** Works with any Wi-Fi router/AP/extender and backward compliant with 802.11a/b/g/n/ac standards
- **Supports Windows 10/11 and Linux OS**
- **Excellent for gaming, HD video, high quality music and large file transfers**

OVERVIEW

The EW-7822UMX is a dual-band 802.11ax USB adapter with the fastest USB 3.0 connectivity that supports MU-MIMO and OFDMA allowing greater Wi-Fi efficiency. It lets you enjoy HD streaming, online gaming, and surfing simultaneously, without lag or buffering. It is also excellent for large file transfers and video conferences while working from home.

No worries about the compatibility, the 7822UMX AX1800 is designed with quality and a style in gaming. The EW-7822UMX AX1800 Gaming Style USB adapter works with any existing Wi-Fi router, access point and range extender, you can improve an older Wi-Fi 4 and Wi-Fi 5 connection to the utmost 11AX Wi-Fi 6 blazing speed standard by plugging this USB adapter into your computer.

The EW-7822UMX is certainly a powerful and easy-to-use gadget for instant upgrade of your existing computer's wireless network to the next 802.11ax level.

AX1800 Wi-Fi 6 Blazing Speed with USB 3.0 Port

Ideal for wireless gaming, the EW-7822UMX USB Adapter improves your experience for smooth internet surfing. AX1800 Wi-Fi 6 maximum data transfer rate up to 1201Mbps (2T2R in 5GHz) and 573Mbps (2T2R in 2.4GHz), the USB adapter provides more efficiency and less latency with up to 1.5X faster speed than Wi-Fi 5 AC1200. The USB 3.0 is up to 10 times faster than USB 2.0 with data transfer rates up to 5Gbps which enables the device to achieve superfast speeds that 802.11ax can provide – for gaming, video streaming, large file transfers of photos, music, videos, and data.

Greater Wi-Fi Efficiency with OFDMA & MU-MIMO

With OFDMA, EW-7822UMX allows many low-bandwidth streams to transmit in parallel, reducing latency and jitter and increased efficiency. Reduced latency is an important requirement for IoT and video that 802.11ax can now address. Supporting MU-MIMO, EW-7822UMX increases capacity, facilitates higher speeds, and is ideal for applications that require high bandwidth. Users can enjoy improved Wi-Fi performance when connected to a Wi-Fi 6 OFDMA and MU-MIMO enabled network.

Instant Upgrade and Works with All Wi-Fi

With quick and simple installation, the EW-7822UMX USB adapter is the best choice for your laptop or PC, gaining an instant upgrade to Wi-Fi 6. It's stylish, slick, portable in design, so you can take it with you anywhere for Wi-Fi connectivity. Wide compatibility and backward compliant with 802.11a/b/g/n/ac standards, the EW-7822UMX supports all existing Wi-Fi routers, access points and range extenders.

SPECIFICATIONS

HARDWARE					
Interface	1 x USB 3.0 Type A (To use with USB 3.0 port is recommended for best 5GHz performance.)				
LED Indicator	1 x Link/Activity LED				
Antenna	2 x Internal PIFA Antenna (2T2R)				
Dimensions	103.6(L) x 30.1(W) x 15(H) mm (4.08(L) x 1.19(W) x 0.59(H) inches)				
Weight	25g (0.88 ounces)				
Wireless					
Standard	<ul style="list-style-type: none"> 2.4GHz: IEEE 802.11b, 802.11g, 802.11n 5GHz: IEEE 802.11ax, 802.11ac, 802.11a, 802.11n 				
Frequency Band	<ul style="list-style-type: none"> 2.4GHz: 2.4000~2.4835GHz 5GHz: 5.150~5.825GHz *Subject to local regulations.				
Maximum Data Rate	<ul style="list-style-type: none"> 11a: Up to 54Mbps 11b: Up to 11Mbps 11g: Up to 54Mbps 11n: Up to 400Mbps 11ac: Up to 867Mbps 11ax (2.4GHz): Up to 573Mbps 11ax (5GHz): Up to 1201Mbps 				
Output Power	<table border="0"> <tr> <td>2.4GHz:</td> <td>5GHz:</td> </tr> <tr> <td> <ul style="list-style-type: none"> 11b(11M): 18±1.5dBm 11g(54M): 15±1.5dBm 11n(20MHz, MCS7): 13±1.5dBm 11n(40MHz, MCS7): 13±1.5dBm </td> <td> <ul style="list-style-type: none"> 11a(54M): 15±1.5 dBm 11n(20MHz, MCS7): 13±1.5dBm 11n(40MHz, MCS7): 13±1.5dBm 11ac(80MHz, VHTMCS9): 12±1.5dBm </td> </tr> </table>	2.4GHz:	5GHz:	<ul style="list-style-type: none"> 11b(11M): 18±1.5dBm 11g(54M): 15±1.5dBm 11n(20MHz, MCS7): 13±1.5dBm 11n(40MHz, MCS7): 13±1.5dBm 	<ul style="list-style-type: none"> 11a(54M): 15±1.5 dBm 11n(20MHz, MCS7): 13±1.5dBm 11n(40MHz, MCS7): 13±1.5dBm 11ac(80MHz, VHTMCS9): 12±1.5dBm
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Security	<ul style="list-style-type: none"> WPA3-SAE (Personal), 802.1x, WEP, WPA TKIP and WPA2 AES/Mixed mode for PSK & TLS Software WPS (Wi-Fi Protected Setup. Driver installation and WPS supported Wi-Fi device are required.) 				
OTHERS					
System Requirement	<ul style="list-style-type: none"> Windows 10/11 Linux: Kernel 3.13 - 5.9 (support Fedora & Ubuntu only) *Additional version information will be announced on the EDIMAX website.				
Environmental Condition	<table border="0"> <tr> <td>Temperature:</td> <td>Humidity:</td> </tr> <tr> <td> <ul style="list-style-type: none"> Operating: 0~40°C (32~104°F) Storage: -20~65°C (-4~149°F) </td> <td> <ul style="list-style-type: none"> Operating: 10~90% (Non-condensing) Storage: 10~90% (Non-condensing) </td> </tr> </table>	Temperature:	Humidity:	<ul style="list-style-type: none"> Operating: 0~40°C (32~104°F) Storage: -20~65°C (-4~149°F) 	<ul style="list-style-type: none"> Operating: 10~90% (Non-condensing) Storage: 10~90% (Non-condensing)
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Certification	CE, FCC, BSMI, NCC				
Package Content	<ul style="list-style-type: none"> AX1800 Wi-Fi 6 USB Adapter Quick Installation Guide 				

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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