



AC1200 Dual-Band MU-MIMO USB Adapter

EW-7822ULC

FEATURES

- **AC1200 Wi-Fi 5:** Offers a maximum data transfer rate of up to 867Mbps (5GHz) and 300Mbps (2.4GHz)
- **Small, Stylish Design:** Extremely compact Wi-Fi adapter takes up minimal space
- **Better Efficiency:** Supports MU-MIMO, which enables greater Wi-Fi efficiency
- **More Stable transmission:** Supports beamforming, which allows for better transmission quality
- **Secure Wi-Fi:** High-level Wi-Fi security is supported with WPA3-SAE (Personal), WPA2, WPA, WEP and 802.1X
- **Plug-and-Play:** Simply plug the adapter into a USB port and it will be immediately activated on Windows system
- **Wide Compatibility:** Works with any Wi-Fi router/AP/extender and is compliant with 802.11a/b/g/n/ac standards
- **Supported OS:** Windows, macOS and Linux

OVERVIEW

The EW-7822ULC is a dual-band Wi-Fi 5 USB adapter with the 867Mbps (5GHz) and 300Mbps (2.4GHz) wireless data rate. Plug-and-Play immediately upgrades your desktop and laptop to have a Wi-Fi 5 connection on Windows system.

The MU-MIMO function takes advantage of multi-antenna technology to increase frequency bandwidth and improve Wi-Fi efficiency.

The beamforming feature provides more stable transmission quality indoors, even behind walls, and longer distance outdoors.

It features stable wireless transmission and high data throughout, EW-7822ULC allows you to enjoy HD entertainment, video streaming, and voice calls without lag. It is also an excellent choice for large file transfers and video conferences while working from home.

Fast Speed with AC1200 Wi-Fi 5

The EW-7822ULC provides a smooth internet surfing experience with fast Wi-Fi 5 speed. Its maximum data transfer rate up to 867Mbps (5GHz) and 300Mbps (2.4GHz), making it ideal for streaming, browsing, and online gaming.

Greater Wi-Fi Bandwidth with MU-MIMO

The MU-MIMO feature allows you to receive data in its full capacity, making the most of your Wi-Fi bandwidth. When used with an access point that also has MU-MIMO capabilities, the EW-7822ULC can achieve its fastest speed without competition from other users. MU-MIMO also facilitates smoother HD video streaming, enhancing your binge-watching experience.

Stronger Wi-Fi Signal with Beamforming

The beamforming technology achieves a more stable signal and longer distance. This technology leverages multiple antennas to concentrate the wireless signal, improving signal quality even when you are behind a wall indoors or at a distance outdoors. This ensures a high throughput at all times.

Instant Upgrade by USB and Plug-and-Play

Just plug it into your USB interface on a Windows system, and you can connect to Internet immediately, without driver installments, cables deployment and future wireline maintenance.

SPECIFICATIONS

HARDWARE					
Interface	1 x USB 2.0 Type A				
LED Indicator	1 x Link/Activity LED				
Antenna	2 x Internal PIFA Antenna (2T2R)				
Dimensions	20.0(L) x 14.9(W) x 7.1(H) mm (7.87(L) x 5.86(W) x 2.79(H) inches)				
Weight	2g (0.07 ounces)				
WIRELESS					
Standard	<ul style="list-style-type: none"> 2.4GHz: IEEE 802.11b/g/n 5GHz: IEEE 802.11a/n/ac 				
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/Speed	<ul style="list-style-type: none"> 11a: Up to 54Mbps 11b: Up to 11Mbps 11g: Up to 54Mbps 11n(2.4GHz): Up to 300Mbps 11ac(5GHz): Up to 867Mbps 				
Transmit Power	<table border="0"> <tr> <td>2.4GHz:</td> <td>5GHz:</td> </tr> <tr> <td> <ul style="list-style-type: none"> 11b(11Mbps): 8±1.5dBm 11g(54Mbps): 7±1.5dBm 11n(20MHz, MCS7): 6±1.5dBm 11n(40MHz, MCS7): 6±1.5dBm </td> <td> <ul style="list-style-type: none"> 11a(54Mbps): 7±1.5 dBm 11n(20MHz, MCS7): 6±1.5dBm 11n(40MHz, MCS7): 6±1.5dBm 11ac(80MHz, VHTMCS9): 4±1.5dBm </td> </tr> </table>	2.4GHz:	5GHz:	<ul style="list-style-type: none"> 11b(11Mbps): 8±1.5dBm 11g(54Mbps): 7±1.5dBm 11n(20MHz, MCS7): 6±1.5dBm 11n(40MHz, MCS7): 6±1.5dBm 	<ul style="list-style-type: none"> 11a(54Mbps): 7±1.5 dBm 11n(20MHz, MCS7): 6±1.5dBm 11n(40MHz, MCS7): 6±1.5dBm 11ac(80MHz, VHTMCS9): 4±1.5dBm
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Security	<ul style="list-style-type: none"> WPA3-SAE(Personal), WPA2, WPA, WEP and 802.1X Software WPS* (Wi-Fi Protected Setup) * Driver installation required and Access Point/Router needs to support WPS as well				
OTHERS					
Supported Operating System	<ul style="list-style-type: none"> Windows 7/8/8.1/10/11 Linux Kernel 3.8 ~ 5.11 macOS 10.9 ~ 10.15 *Additional version information may 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: -20~60°C (-4~140°F) </td> <td> <ul style="list-style-type: none"> Operating: 0~90% (Non-condensing) Storage: Max 95% (Non-condensing) </td> </tr> </table>	Temperature:	Humidity:	<ul style="list-style-type: none"> Operating: 0~40°C (32~104°F) Storage: -20~60°C (-4~140°F) 	<ul style="list-style-type: none"> Operating: 0~90% (Non-condensing) Storage: Max 95% (Non-condensing)
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Certification	CE, FCC, IC, NCC/BSMI, RCM, Anatel, IMDA, MIC/VCCI, OFCA, WPC, NTC, SRRC, CITC, SIRIM, SUBTEL, CRC, NBTC, Exemption Letter, ENACOM, TRA, CITRA, TRA, CRA, ICASA, UA RED DoC, URSEC, IFETEL/NOM, SDPPI, MOC, KC, TDRA				