



**AC1200**  
Max. speed up to 300Mbps (2.4GHz) & 867Mbps (5GHz)



**Dual-Band**  
Selectable Dual-Band Wi-Fi Connectivity



**MU-MIMO**  
Pair with any MU-MIMO router



**Beamforming**  
Directional signal targeting



**Nano Size**  
Awesome for laptops

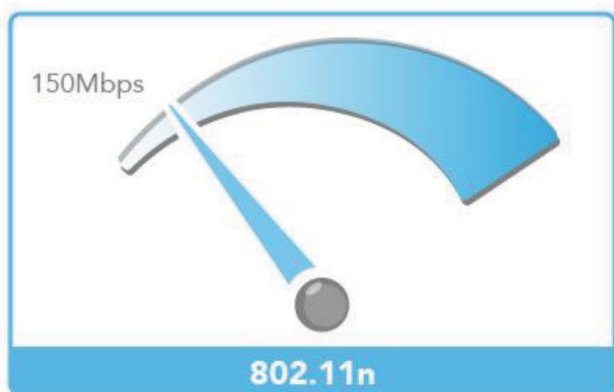
## AC1200 Dual-Band MU-MIMO USB Adapter

### Introduction

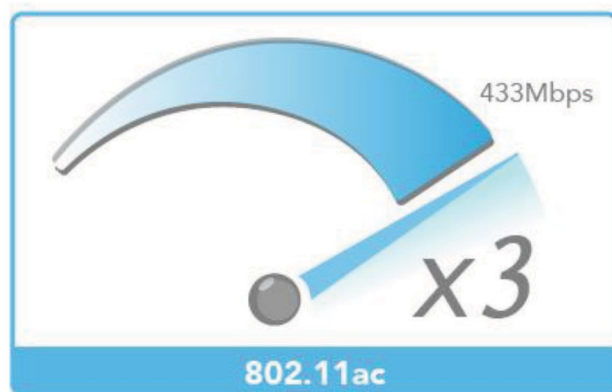
The EW-7822ULC is a AC1200 USB adapter that can pair with an 11ac MU-MIMO (Multiple User - Multiple Input Multiple Output) router. It upgrades your older laptop or PC to a MU-MIMO device and runs selectable dual-band Wi-Fi at speeds up to 300Mbps on 2.4GHz and 867Mbps on 5GHz.

### Ultra-Speed with 802.11ac

The EW-7822ULC runs ultra-speed 802.11ac Wi-Fi that's almost three times faster than 802.11n. Upgrade your laptop or PC to sport 802.11ac Wi-Fi so you can enjoy online video streaming and multiple data transfers at the fastest speeds.



VS.



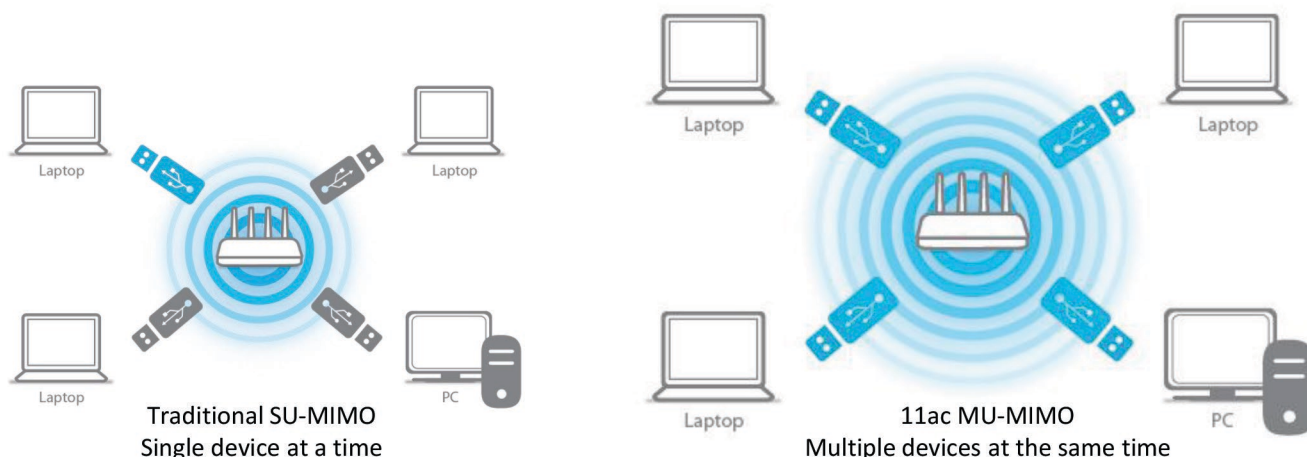
### Dual-Band Experience

Experience better performance and greater flexibility with EW-7822ULC for your laptop with dual-band connectivity. Either the 2.4GHz or 5GHz frequency band can be selected with top speeds at 300Mbps and 867Mbps respectively. Surf the internet and check emails on the longer-range 2.4GHz band, or use the high-speed 5GHz band for online gaming and YouTube or Netflix HD streaming.



## 11ac MU-MIMO

The 11ac MU-MIMO (Multiple User - Multiple Input Multiple Output) technology runs four streams and serve multiple devices simultaneously, for the fastest speeds and uninterrupted Wi-Fi connectivity to all devices.



## MU-MIMO for Non-Stop Streaming

Instantly upgrades your older laptop or PC to the latest 11ac MU-MIMO functionality. Everyone in the room can enjoy smooth surfing, streaming and gaming at the same time when the EW-7822ULC is successfully paired with a MU-MIMO router.



4 Streams  
MU-MIMO

3X Speeds  
MU-MIMO

## Why should you need MU-MIMO?

- 11ac MU-MIMO offers up to 3x faster Wi-Fi speeds.
- High performance for mobile speed and range.
- Online streaming without interruptions and buffering from other devices.

### Edimax MU-MIMO Solution



EW-7822ULC

AC1200 MU-MIMO Adapter



RG21S

AC2600 MU-MIMO Router



## Beamforming Wi-Fi

The EW-7822ULC's beamforming enables your Wi-Fi signal to be targeted at your adapter for a stronger, more reliable and efficient Wi-Fi connection when it paired with any beamforming router. Meanwhile, beamforming generates directional-targeted Wi-Fi signals, instead of standard Wi-Fi which radiates outwards. This means better audio quality and HD video streaming as you explore your digital wonderland.



## Small, Travel-Size For Laptops

Featuring a nano, lightweight design that can be plugged into any type of laptop for more mobility and convenience. It's so tiny that it feels like nothing to carry around, and can always be with your laptop.

- Fits your laptop perfectly
- Doesn't block other USB ports
- Easy portability and won't fall out of your laptop

7.1mm  
Height

14.9mm  
Width

2g  
Weight



## Features

- **AC1200 High-Speed Selectable Dual-Band:** Max speed up to 300Mbps (2.4GHz) and 867Mbps (5GHz) with 802.11ac Wi-Fi standard and backward compatible with 802.11a/b/g/n standards.
- **Easy 11ac Upgrade:** Upgrade your single-band 2.4GHz Wi-Fi to 11ac dual-band Wi-Fi for better coverage and faster Wi-Fi speed with zero configuration.
- **11ac MU-MIMO:** The latest 11ac technology runs four streams and serve multiple devices simultaneously.
- **Efficient Wi-Fi with Beamforming Technology:** With beamforming directional signals support, Wi-Fi performance is dramatically improved with better reliability, range and coverage and less wasted signals.
- **Small, Stylish Design:** World's smallest AC1200 Wi-Fi Adapter with MU-MIMO Technology.
- **Secure Wi-Fi:** Features 64/128-bit WEP, WPA & WPA2 encryption for high level of security.
- **One-Click Wireless Connections:** Features a software WPS (Wi-Fi Protected Setup) button for easy wireless connections.
- **Supports Windows 7/8/8.1/10, MAC OS 10.7 above and Linux.**

## SPECIFICATIONS

**EW-7822ULC** AC1200 Dual-Band MU-MIMO USB Adapter

### HARDWARE

- |            |                                                                                                         |
|------------|---------------------------------------------------------------------------------------------------------|
| Interface  | <ul style="list-style-type: none"> <li>• 1 x USB 2.0 Type A</li> <li>• 1 x Link/Activity LED</li> </ul> |
| Antenna    | <ul style="list-style-type: none"> <li>• Internal Antennas x 2 (2T2R)</li> </ul>                        |
| Dimensions | <ul style="list-style-type: none"> <li>• 7.1 (H) x 14.9 (W) x 20 (D) mm</li> </ul>                      |
| Weight     | <ul style="list-style-type: none"> <li>• 2g</li> </ul>                                                  |

### WIRELESS

- |                 |                                                                                                                                                                                                                                                                                                                                          |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standards       | <ul style="list-style-type: none"> <li>• 2.4GHz: IEEE 802.11b, 802.11g, 802.11n</li> <li>• 5GHz: IEEE 802.11ac, 802.11a, 802.11n</li> </ul>                                                                                                                                                                                              |
| Frequency       | <ul style="list-style-type: none"> <li>• 2.4000 - 2.4835GHz*</li> <li>• 5.150 - 5.825GHz*</li> <li>FCC: Band 1: 5.150~5.250(GHz)</li> <li>Band 4: 5.745~5.850(GHz)</li> <li>CE: Band 1: 5.150~5.250(GHz)</li> <li>*Subject to local regulations</li> </ul>                                                                               |
| Output Power    | <ul style="list-style-type: none"> <li>• 2.4GHz: 11b(11M): 8±1.5dBm</li> <li>11g(54M): 7±1.5dBm</li> <li>11n(20MHz, MCS7): 6±1.5dBm</li> <li>11n(40MHz, MCS7): 6±1.5dBm</li> <li>• 5GHz: 11a(54M): 7±1.5 dBm</li> <li>11n(20MHz, MCS7): 6±1.5 dBm</li> <li>11n(40MHz, MCS7): 6±1.5dBm</li> <li>11ac(80MHz, VHTMCS9): 4±1.5dBm</li> </ul> |
| Operating Range | <ul style="list-style-type: none"> <li>• 11a: 6/9/12/24/36/48/54Mbps</li> <li>• 11b: 1/2/5.5/11Mbps; 11g: 6/9/12/24/36/48/54Mbps</li> <li>• 11n (20MHz): MCS0-07, up to 144Mbps</li> <li>• 11n (40MHz): MCS0-07, up to 300Mbps</li> <li>• 11ac (80MHz): VHTMCS0-9, up to 867Mbps</li> </ul>                                              |
| Security        | <ul style="list-style-type: none"> <li>• WEP 64/128-bit, WPA, WPA2</li> <li>• Software WPS Configuration</li> </ul>                                                                                                                                                                                                                      |

### OTHERS

- |                    |                                                                                                                                                                                                                                                             |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Certification      | <ul style="list-style-type: none"> <li>• CE, FCC, RoHS</li> </ul>                                                                                                                                                                                           |
| Environment        | <ul style="list-style-type: none"> <li>• Operating Temperature: 32~104°F (0~40°C)</li> <li>• Storage Temperature: -4~140°F (-20~60°C)</li> <li>• Operating Humidity: 0~90% (NonCondensing)</li> <li>• Storage Humidity: Max. 95% (NonCondensing)</li> </ul> |
| System Requirement | <ul style="list-style-type: none"> <li>• Windows 7/8/8.1 or above</li> <li>• Mac OS 10.9 or above</li> </ul>                                                                                                                                                |
| Package Content    | <ul style="list-style-type: none"> <li>• Quick Installation Guide</li> <li>• CD (Multi-Language Quick Installation Guide &amp; Setup Wizard)</li> </ul>                                                                                                     |

\*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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