



## AC1200 Wireless Dual-Band USB Adapter

EW-7822UAD

### FEATURES

- Supports Wave-2 compliant MU-MIMO
- Supports WPS (Wi-Fi Protected Setup) hardware button for easy connection
- Supports WMM QoS feature
- MAX. data transfer rate up to 300Mbps (2.4GHz) or up to 867Mbps (5GHz)
- Dual-band wireless connectivity for 2.4GHz or 5GHz
- Adjustable antenna for optimum Wi-Fi performance

### OVERVIEW

The EW-7822UAD is a dual-band 802.11ac USB adapter with the fastest USB 3.0 connectivity that supports MU-MIMO, allowing greater Wi-Fi efficiency. It lets you enjoy HD streaming, online gaming, and surfing simultaneously, without lag or buffering.

With the EDIMAX EW-7822UAD AC1200 Wi-Fi USB Adapter, you can improve an older Wi-Fi networking environment to the utmost AC Wi-Fi Standard by plugging this USB adapter into your computer.

The EW-7822UAD is certainly a powerful and easy-to-use gadget for upgrading your existing wireless network to the next AC level.

### USB 3.0 Port | Faster than Ever

USB 3.0 is up to 10 times faster than USB 2.0 with data transfer rates up to 5Gbps. It's the latest standard in connectivity and enables devices to achieve the superfast speeds which 802.11ac can provide – for faster photos, music, videos, and data.

### Adjustable Antenna | Optimum Speed

The high-gain antenna of EW-7822UAD is easily adjustable. When the signal is weak, users can adjust the antenna angle to obtain an optimum Wi-Fi performance.

### 11ac MU-MIMO | More Streams

No more wait time at highest throughput. The latest 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.

### Dual Mode | Double your Fun

Experience better performance and greater flexibility with EW-7822UAD 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.

## SPECIFICATIONS

| HARDWARE                |                                                                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Interface               | 1 x USB 3.0 Type A                                                                                                                                                                                                                                  |
| Antenna                 | External Antennas x 2 (2T2R)                                                                                                                                                                                                                        |
| Dimensions              | 174.54(L) x 17.69(W) x 14.42(H) mm                                                                                                                                                                                                                  |
| Weight                  | 15g                                                                                                                                                                                                                                                 |
| Wireless                |                                                                                                                                                                                                                                                     |
| Standard                | <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 Band          | 2.4000~2.4835GHz , 5.150~5.825GHz                                                                                                                                                                                                                   |
| Maximum Data Speed      | 11a: 6/9/12/24/36/48/54Mbps;<br>11b: 1/2/5.5/11Mbps; 11g: 6/9/12/24/36/48/54Mbps<br>11n (20MHz): MCS0-07, up to 144Mbps<br>11n (40MHz): MCS0-07, up to 300Mbps<br>11ac (80MHz): VHTMCS0-9, up to 867Mbps                                            |
| Output Power            | 2.4GHz:<br>11b(11M): 11±1.5 dBm , 11g(54M): 9±1.5 dBm<br>11n(20MHz, MCS7): 8±1.5 dBm, 11n(40MHz, MCS7): 8±1.5 dBm<br>5GHz:<br>11a(54M): 8±1.5 dBm, 11n(20MHz, MCS7): 7±1.5 dBm,<br>11n(40MHz, MCS7): 7±1.5 dBm, 11ac(80MHz, VHTMCS9): 5±1.5 dBm     |
| Receiver Sensitivity    | 2.4GHz:<br>11b(11M): -80±2dBm, 11g(54M): -68±2dBm<br>11n(20MHz, MCS7): -66±2dBm, 11n(40MHz, MCS7): -65±2dBm<br>5GHz:<br>11a(54M): -68±2dBm, 11n(20MHz, MCS7): -65±2dBm,<br>11n(40MHz, MCS7): -62±2dBm, 11ac(80MHz, VHTMCS9): -52±2dBm               |
| OTHERS                  |                                                                                                                                                                                                                                                     |
| Certification           | CE, FCC                                                                                                                                                                                                                                             |
| Environmental Condition | <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 10</li> <li>Linux: Kernel 2.6.24 - 5.3 or above (support Fedora &amp; Ubuntu only)</li> <li>MAC 10.7 or above</li> </ul>                                                                             |
| Installation            | Easy setup wizard with auto run configuration                                                                                                                                                                                                       |
| Package Content         | <ul style="list-style-type: none"> <li>AC1200 Wireless USB Adapter</li> <li>Quick Installation Guide</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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