



BE6500 Wi-Fi 7 Tri-Band USB Adapter

EW-7822UBE

FEATURES

- **BE6500 Wi-Fi 7 Blazing Speed:** Max. data transfer rate up to 6448Mbps (2888Mbps@ 6GHz, 2888Mbps @5GHz and 688Mbps 2.4GHz)
- **Secure Wi-Fi:** High level Wi-Fi security supported with WPA3-enterprise, WPA3-SAE (Personal), 802.1x, WPA and WPA2
- **Built-in Driver:** No need to download the driver before using
- **MLO eMLSR Mode:** Dynamically switch between the 2.4 GHz, 5 GHz, and 6 GHz bands to avoid network traffic and keep you connected
- **4K-QAM:** Increasing to 12-bit data modulation enables up to 20% higher data transmission rates compare with Wi-Fi 6
- **Wide Compatibility:** Works with any Wi-Fi router/AP/extender and backward compliant with 802.11a/b/g/n/ac/ax standards
- **Powerful 6GHz band:** Less congestion and interference for Wi-Fi connections

OVERVIEW

The EW-7822UBE is a Tri-band 802.11BE USB adapter that supports 4K-QAM, MLO eMLSR (enhanced Multi-Link-Single-Radio), 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 EW-7822UBE is designed with quality and a style in Online gaming. The EW-7822UBE works with any existing Wi-Fi router, access point and range extender, you can improve an older Wi-Fi 4 /5/6/6E connection to the utmost 11BE Wi-Fi 7 blazing speed standard by plugging this USB adapter into your computer.

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

6500Mbps Wi-Fi 7 Blazing Speed

Ideal for wireless gaming, the EW-7822UBE USB Adapter improves your experience for smooth internet surfing. EW-7822UBE Wi-Fi 7 maximum data transfer rate up to 6448Mbps (2888Mbps@ 6GHz, 2888Mbps @5GHz and 688Mbps 2.4GHz) the provides more efficiency and less latency with faster speed than Wi-Fi 6/6E to achieve superfast speeds that for 4K/8K TV gaming, Online gaming, large file transfers of photos, music, videos, and data.

Greater Wi-Fi Efficiency with MLO, 4K-QAM, Preamble Puncturing and OFDMA

With up-to-date Wi-Fi 7 new technologies, MLO (Multi-Link Operation), OFDMA, 4K-QAM, Preamble Puncturing & OFDMA, For instance, Wi-Fi 7 introduces 4K-QAM, also known as 12-bit data modulation. Wi-Fi 6 used 1024 QAM (10-bit data modulation). The increase from 10-bit to 12-bit data modulation enables up to 20% higher data transmission rates to your Wi-Fi devices. EW-7822UBE allows reducing latency, and facilitates higher speeds for applications that require high bandwidth.

Instant Upgrade and Works with All Wi-Fi

With quick and simple installation, the EW-7822UBE USB adapter is the best choice for your laptop or PC, gaining an instant upgrade to Wi-Fi 7. 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-7822UBE supports all existing Wi-Fi routers, access points and range extenders.

SPECIFICATIONS

HARDWARE

Interface	1 x USB 3.2 Gen1. Type A Port
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 ounce)

Wireless

Standard	• 2.4GHz: IEEE 802.11b/g/n • 5GHz: IEEE 802.11a/ g/ ac/ ax/ be • 6GHz: IEEE 802.11a/ g/ ac/ ax/ be
Frequency Band	• 2.4GHz: 2.4000~2.4835GHz • 5GHz: 5.150~5.825GHz • 6GHz: 5.925~6.425GHz *Subject to local regulations.
Maximum Data Rate	• IEEE 802.11 a/b/g/n/ac/ax/be compliant • 2T2R in 2.4GHz with support of up to 688Mbps • 2T2R in 5GHz with support of up to 2880Mbps • 2T2R in 6GHz with support of up to 2880Mbps • Support 20MHz, 40MHz at 2.4GHz bandwidth • Support 20MHz, 40MHz, 80Mhz and 160MHz at 5GHz bandwidth • Support 20MHz, 40MHz, 80Mhz and 160MHz at 6GHz bandwidth
Security	• WPA3 Enterprise, WPA3-SAE (Personal), IEEE 802.1x ,WPA and WPA2

OTHERS

Supported Operating System	• Windows 10/11 *Additional version information will be announced on the EDIMAX website.	
Environmental Condition	Temperature: • Operating: 0~40°C (32~104°F) • Storage: -20~65°C (-4~149°F)	Humidity: • Operating: 10~90% (Non-condensing) • Storage: Max. 95% (Non-condensing)
Certification	CE, FCC, SRRC	