![EDIMAX - NETWORKING PEOPLE TOGETHER]

BQB Certified

2-in-1 Wi-Fi 6 AX900 & Bluetooth 5.3 USB Adapter

EW-7611UXB

FEATURES

- **2-in-1 Wi-Fi and Bluetooth**: Combines Wi-Fi 6 and Bluetooth 5.3 for seamless performance
- **Certified Bluetooth 5.3**: BQB-certified offing high efficiency, reliable and seamless connectivity
- **Energy-Saving Dual-Mode Bluetooth**: Supports both Classic (BR/EDR) and LE (Low Energy) modes, ideal for low-power IoT devices
- **Advanced Wi-Fi Security**: Offers robust protection with WPA3-Personal, WPA3 Enterprise, WPA2, WPA, WEP, and 802.1x standards
- **High-efficiency Performance**: Features OFDMA and MU-MIMO for low latency and power saving
- **Smart Channel Management**: Utilizes Channel Selection Algorithm (CSA) #2 for optimal channel classification and smoother communications
- **Wide Compatibility**: Backward compatible with Bluetooth V5.2/5.1/5.0/4.2/4.0/3.0/2.1/2.0/1.1, Wi-Fi 5/4 and supporting Windows/Linux OS

OVERVIEW

The EW-7611UXB is a versatile 2-in-1 adapter that combines Wi-Fi 6 AX900 and Bluetooth 5.3, providing fast and reliable wireless connectivity. It's backward compatible with older versions, making it a convenient for desktops, laptops, and embedded to IoT devices.

With advanced dual-mode Bluetooth Low Energy (BLE), Channel Selection Algorithm (CSA) #2 and BQB certification, the EW-7611UXB ensures efficient, stable connections across a range of Bluetooth devices. It is ideal for IoT, smart home, and industrial applications, offering reliable performance with reduced power consumption.

Featuring Wi-Fi 6 technologies like OFDMA and MU-MIMO, the adapter delivers high-efficiency performance with low latency and optimized power saving. Its ultra-compact design makes it suitable for embedded systems and portable use.

2-in-1 Wi-Fi and Bluetooth Combo

The EW-7611UXB adapter combines Wi-Fi 6 AX900 and Bluetooth 5.3 providing fast, reliable connectivity in one device with backward compatibility. Ideal for IoT, smart home, or commercial setups, it ensures smooth, powerful connections and upgrades laptops or desktops for streaming, browsing, and connecting peripherals like keyboards, printers, and speakers.

Dual Bluetooth Modes for Ultimate Versatility

Enjoy seamless connectivity with Bluetooth Classic (BR/EDR) and BLE (Low Energy) modes. BLE saves power for IoT sensors and healthcare devices, while Classic (BR/EDR) delivers high-speed performance for wireless speakers and in-car entertainment, offering flexible connectivity wherever needed.

Reliable BQB-Certified Bluetooth Connectivity

With BQB certification, the EW-7611UXB guarantees reliable and seamless interoperability with various Bluetooth devices The BQB logo certifies high compatibility and dependable performance, ensuring quick pairing and stable connections across devices.

Compact and Discreet Design for Portability

The EW-7611UXB's ultra-compact form factor fits tight spaces, making it ideal for embedded systems and portable use. Lightweight and discreet, it delivers secure Wi-Fi 6 and Bluetooth 5.3 connections on the go.

SPECIFICATIONS

HARDWARE

Interface	1 x USB 2.0 Type A
Antenna	1 x Internal Antenna (1T1R)
Dimensions	25.5 (L) x 16 (W) x 9 (H) mm (1.00(L) x 0.63(W) x 0.35(H) inches)
Weight	3g (0.106 ounces)

WIRELESS

Standard	• 2.4GHz : IEEE 802.11b/g/n/ac/ax • 2.4GHz : Bluetooth 5.3 • 5GHz: IEEE 802.11a/n/ac/ax
Frequency Band	• 2.4GHz: 2.4000~2.4835GHz • 5GHz: 5.150~5.825GHz *Subject to local regulations.

WiFi Maximum Data Rate/Speed	• Wi-Fi 6 11ax : 887Mbps
	   - 2.4GHz with 1024QAM maximum data rate up to 287Mbps
	   - 5GHz with 1024QAM maximum data rate up to 600Mbps
	 • Bluetooth 5.3 : 2.4GHz
	   - Bluetooth Classic (BR/EDR) : 2Mbps
	   - Bluetooth Low Energy (BLE) : 1Mbps

Transmit Power	2.4GHz: • 11b(11Mbps) : 17dBm±1.5dBm • 11g(54Mbps) : 14dBm±1.5dBm • 11n(20MHz, MCS7) : 13dBm±1.5dBm • 11n(40MHz, MCS7) : 13dBm±1.5dBm 5GHz: •11a(54M): 16±1.5dBm •11n(40MHz, MCS7): 16±1.5dBm •11ac(80MHz, MCS9): 15±1.5dBm •11ax(80MHz, MCS11): 14±1.5dBm
Receive Sensitivity	2.4GHz: • 11b(11Mbps) : -82dBm±2dBm • 11g(54Mbps) : -68dBm±2dBm • 11n(20MHz, MCS7) : -66dBm±2dBm • 11n(40MHz, MCS7) : -64dBm±2dBm 5GHz: •11a(54Mbps): -71±2dBm •11n(40MHz, MCS7): -67±2dBm •11ac(80MHz, MCS9): -57±2dBm •11ax(80MHz, MCS11): -55±2dBm
Security	WPA3-Personal, WPA3 Enterprise, WPA2, WPA, WEP, and 802.1x standards

OTHERS

Supported Operating System	• Windows 10/11 (Wi-Fi & Bluetooth) • Linux kernel - Bluetooth : 2.6.32 ~5.17; Wi-Fi : 3.13 ~ 6.6 *Additional version information may 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: 10~90% (Non-condensing)
Certification	BQB, CE, FCC, BSMI, NCC