BQB Certified

2-in-1 Wi-Fi 4 N150 & Bluetooth 4.2 Nano USB Adapter

EW-7611ULB V2

FEATURES

- **2-in-1**: Supports both Wi-Fi 4 and Bluetooth 4.2 simultaneously
- **Bluetooth 4.2**: BQB Certified
- **Bluetooth Dual Mode**: Supports Classic (BR/EDR) and LE (Low Energy) modes, with speeds of up to 3Mbps and 1Mbps respectively
- **Wi-Fi Compatibility**: The Wi-Fi is compatible with 802.11 b/g/n, with speeds of up to 150Mbps
- **Wi-Fi Security**: High level Wi-Fi security is supported, including WPA3-SAE (Personal), WPA2, WPA, WEP, and 802.1X
- **Application**: IoT in embedded systems and entertainment/control in desktop and laptop
- **Supported OS**: Windows and Linux

OVERVIEW

The EW-7611ULB V2 is a nano-sized 2-in-1 combo USB Wi-Fi adapter with Bluetooth 4.2. that supports Wi-Fi speeds of up to 150Mbps for internet access, as well as direct connection to Bluetooth devices.

This device allows you to utilize the wireless Wi-Fi on your laptop or desktop to access the internet, and the Bluetooth technology to pair with surrounding headsets and speakers, making it easy to keep your workspace tidy and free of unsightly wires.

Moreover, the compact design of this device allows you to easily plug it into an embedded system without blocking any surrounding USB ports, allowing for IoT capabilities on your embedded system.

2-in-1 Wi-Fi and Bluetooth Combo

Supporting Wi-Fi 802.11n and Bluetooth 4.2 in just one small gadget, the EW-7611ULB V2 allows you to connect to the internet without staying in a fixed position and to connect to cordless mouse, keyboards, printers, or speakers all at the same time simply by inserting it into your desktop or laptop.

Bluetooth Low Energy (LE) and Versatile IoT Extension

The EW-7611ULB V2 features advanced dual-mode Bluetooth LE (Low Energy). It not only provides the best wireless energy-saving technology but also cares for the environment and your pocket by saving on your electric bills. You can integrate it into the embedded system for commission purposes and then activate Wi-Fi connection to empower equipment with IoT function to extend the application.

BQB Certification

The EW-7611ULB V2 is BQB certified, allowing users to get rid of interoperability chores and pair with headsets and speakers on desktops or laptops, or even embedded system equipment via a mobile phone. The Bluetooth logo is only available for products that have passed the Bluetooth qualification process, so high compatibility and quick connections are expected.

Tiny and Stealthy Design

The nano-sized adapter is small and sleek, so you can attach the EW-7611ULB V2 to your embedded system or battery-powered devices without worrying about space occupation. Even though it's tiny, like it isn't there at all, it's still powerful and convenient to carry with your laptop for work and travel.

SPECIFICATIONS

HARDWARE

Interface	1 x USB 2.0 Type A
LED Indicator	1 x Dual-Color LED (Link/Act/WPS) for Wi-Fi and Bluetooth
Antenna	1 x Internal Antennas (1T1R)
Dimensions	18.9 (L) x 14.9 (W) x 7.1 (H) mm
Weight	3g

WIRELESS

Standard	• 2.4GHz : IEEE 802.11 b/g/n • 2.4GHz : Bluetooth 4.2, 4.0, 2.1
Frequency Band	• 2.4GHz: 2.4000~2.4835GHz *Subject to local regulations.
Maximum Data Rate/Speed	• 11b : 11Mbps • 11g : 54Mbps • 11n : 150Mbps • Bluetooth BR/EDR : 3Mbps • Bluetooth LE : 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
Receive Sensitivity	2.4GHz: • 11b(11Mbps) : -82dBm±2dBm • 11g(54Mbps) : -68dBm±2dBm • 11n(20MHz, MCS7) : -66dBm±2dBm • 11n(40MHz, MCS7) : -64dBm±2dBm
Security	• WPA3-SAE (Personal), WPA2, WPA, WEP, 802.1X • Software WPS (Wi-Fi Protected Setup, driver installation required.)

OTHERS

Supported Operating System	• Windows 7/8/8.1/10/11 (Wi-Fi & Bluetooth) • Linux kernel 4.4 ~ 5.11 (Wi-Fi & Bluetooth) *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, IC	