EDIMAX
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Bluetooth ®
Wi-Fi

Bluetooth®

BQB Certified

2-in-1 Wi-Fi 4 N150 & Bluetooth 4.0 Nano USB Adapter

EW-7611ULB

FEATURES

- **2-in-1**: Supports 802.11n Wi-Fi and Bluetooth 4.0
- **Bluetooth 4.0**: BQB Certified
- **Bluetooth Dual Mode:** Supports Classic (BR/EDR) and LE (Low Energy) modes, with speeds of up to 3Mbps and 1Mbps respectively
- **Backward Compatible**: Bluetooth and Wi-Fi are backward compatible with 3.0/2.1 and 802.11b/g respectively
- **More Secure Wi-Fi**: WPA, WPA2 and latest WPA3 secure your authentication more
- **Application:** IoT in embedded systems and entertainment/control in desktop and laptop
- **Supported OS**: Windows, Linux for Bluetooth & Wi-Fi, and macOS for Wi-Fi only

OVERVIEW

The EW-7611ULB is a nano-sized 2-in-1 combo USB Wi-Fi adapter with Bluetooth 4.0. Supports Wi-Fi up to 150Mbps and Bluetooth for low-power connection.

Utilizing Bluetooth technology pairs with surrounding devices such as mouse, keyboard and headset to keep your table clean. Additional, this is for sure the trendiest upgrade you can devise IoT function on your equipment.

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

Supports Wi-Fi 802.11n and Bluetooth 4.0 in one gadget. Just insert into desktop or laptop, EW-7611ULB frees you up from both data cable and audio line. You can connect to Internet without fixed position and connect to cordless mouse, keyboards, printers or speaker nearby or distantly at the same time.

Bluetooth Low Energy (BLE) and Versatile IoT Extension

The EW-7611ULB 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 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 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 Antenna (1T1R)
Dimensions	18.9 (L) x 14.9 (W) x 7.1 (H) mm (0.74(L) x 0.59(W) x 0.28(H) inches)
Weight	3g (0.106 ounces)

Wireless	
Standard	• 2.4GHz : IEEE 802.11b/g/n • 2.4GHz : Bluetooth 4.0, 3.0, 2.1
Frequency Band	• 2.4GHz: 2.4000~2.4835GHz *Subject to local regulations.
Maximum Data Rate	Wi-Fi • 11b : 11Mbps • 11g : 54Mbps • 11n : 150Mbps Bluetooth: • Bluetooth BR/EDR : 3Mbps • Bluetooth LE : 1Mbps
Transmit Power	Wi-Fi 2.4GHz: • 11b(11Mbps) : 16dBm±1.5dBm • 11g(54Mbps) : 14dBm±1.5dBm • 11n(20MHz, MCS7) : 12dBm±1.5dBm • 11n(40MHz, MCS7) : 12dBm±1.5dBm
Receive Sensitivity	Wi-Fi 2.4GHz: • 11b(11Mbps) : -79dBm±2dBm • 11g(54Mbps) : -65dBm±2dBm • 11n(20MHz, MCS7) : -64dBm±2dBm • 11n(40MHz, MCS7) : -64dBm±2dBm
Security	• WEP 64/128-bit, WPA-PSK, WPA2, WPA3, 802.1x • Software WPS (Wi-Fi Protected Setup. Driver installation and WPS supported Wi-Fi device are required.)

OTHERS		
Supported Operating System	• Windows 7/8.x/10 (Wi-Fi & Bluetooth) • Linux kernel 2.6.32 ~ 5.2 (Wi-Fi and Bluetooth) • macOS 10.7 ~ 10.15 (Wi-Fi Only) *Additional version information will be announced on the EDIMAX website.	
Environmental Condition	Temperature: • Operating: 0~40°C (32~104°F) • Storage: -20~60°C (-4~140°F)	Humidity: • Operating: 10~90% (Non-condensing) • Storage: Max. 95% (Non-condensing)
Certification	BQB (Bluetooth, Worldwide), CE (European Union), FCC (USA), IC (Canada), NCC/BSMI (Taiwan), RCM (AU/NZ), MIC/VCCI (Japan), KC (South Korea), WPC (India), ICASA (South Africa), NTRA (Egypt), TRA (Bahrain), TRA (OMAN), CRA (Qatar), OFCA (Hong Kong), CRC (Colombia), IFTEL (Mexico), MTC (Peru)	