



N150 Wi-Fi 4 Nano USB Adapter

EW-7811Un V2

FEATURES

- **N150:** Compliant with IEEE 802.11b/g/n with a data rate of up to 150Mbps at 2.4GHz
- **Small and Stylish Design:** Extremely small size
- **Wi-Fi Security:** High level Wi-Fi security is supported with WPA3-SAE (Personal), WPA2, WPA, and WEP
- **Easy Connection:** Supports the software WPS (Wi-Fi Protected Setup)
- **Plug-and-Play:** Supports Plug-and-Play on Windows system
- **Green WLAN:** Power-saving mechanism saves power up to 50%
- **Supported OS:** Windows, macOS, and Linux
- **Application:** Good to use on laptops and desktops. Moreover, you can integrate it into embedded system to develop diverse IoT services.

OVERVIEW

EW-7811Un V2 is a nano USB wireless adapter that supports a maximum data rate of up to 150Mbps.

The ultra-small USB adapter allows you to plug it into any laptop, desktop ports, and embedded system without occupying much space to connect to Wi-Fi. Moreover, embedded system with Wi-Fi capability are one of the most popular features in IoT applications.

Besides WPA2, WPA and WEP security mechanism, EW-7811Un V2 also supports latest WPA3-SAE (Personal) to protect your data.

The small, secure, and eco-friendly EW-7811Un V2 is, for sure, the greatest Wi-Fi adapter for you to step into wireless connection with it.

Instant Plug-and-Play Upgrade

Just plug into your laptop and desktop USB interface on a Windows system, and you can connect to the Internet immediately without the hassle of driver installation and messy cable deployment. There's no need for wireline maintenance.

Green WLAN and Improved Energy Efficiency

The EW-7811Un V2 has adopted a clever protocol. This wireless USB adapter smartly adjusts its power output according to the transmission distance and CPU offload. It drastically reduces power consumption when the connection is idle. Designed with green WLAN technology, the EW-7811Un V2's power consumption can be reduced by an average of 20% to 50%.

Wi-Fi Software WPS (Wi-Fi Protected Setup)

Wi-Fi Protected Setup (WPS) is a standard for easy establishment of wireless network. The EW-7811Un V2 supports software WPS so that you can establish wireless connection with WPS-compatible routers or access points.

Tiny and Stylish Design

It can be easily plugged into any laptop without sacrificing portability and aesthetics. Furthermore, it is designed with attention to details such as not blocking other ports or interfering with other USB devices/cables.

SPECIFICATIONS

HARDWARE

Interface	1 x USB 2.0 Type A
LED Indicator	1 x Link/Activity LED
Antenna	1 x Internal Antennas (1T1R)
Dimensions	17.5 (L) x 14.9 (W) x 7.1 (H) mm
Weight	2g

WIRELESS

Standard	• 2.4GHz: IEEE 802.11b/g/n
Frequency Band	• 2.4GHz: 2.4000~2.4835GHz *Subject to local regulations.
Maximum Data Rate/Speed	• 11b: Up to 11Mbps • 11g: Up to 54Mbps • 11n: Up to 150Mbps
Transmit Power	2.4GHz: • 11b(11Mbps): 17±1.5dBm • 11g(54Mbps): 16±1.5dBm • 11n(150Mbps): 13±1.5dBm
Receive Sensitivity	2.4GHz: • 11b(11Mbps) : -82dBm±2dBm • 11g(54Mbps) : -70dBm±2dBm • 11n(40MHz, MCS7) : -64dBm±2dBm
Security	• WPA3-SAE(Personal), WPA2, WPA and WEP • Software WPS (Wi-Fi Protected Setup, driver installation required.)

OTHERS

Supported Operating System	• Windows 7/8/8.1/10/11 • Linux kernel 3.8.0 ~ 5.4.0 • macOS 10.9 ~ 10.15 *Additional version information may 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: 0~90% (Non-condensing) • Storage: Max. 95% (Non-condensing)
Certification	CE, FCC, BSMI, NCC, IC