



EW-7612UAn V2

300Mbps Wireless High-Gain USB Adapter



Enjoying high-speed wireless network access is as simple as plugging the Edimax EW-7612UAn V2 into your computer's USB port. This high-gain wireless USB adapter is a quick and easy way to add high-speed wireless connectivity to your desktop, laptop, or notebook computer. You can enjoy data rates of up to 300Mbps when the Edimax EW-7612UAn V2 is connected to wireless 802.11n standard devices.

Wireless 802.11n Standard (Data Rates Up to 300Mbps)

The Edimax EW-7612UAn V2 allows for increased wireless coverage and higher data transmission rates. The latest wireless technology is built into this device to broaden its wireless coverage by 5 times and to reduce dead spots within the wireless range. The EW-7612UAn V2 complies with wireless IEEE 802.11b/g/n standards and can reach data transmission rates of up to 300Mbps when connected to wireless 802.11n devices. It also extends its wireless signal distance, and provides more reliable wireless connections than standard IEEE 802.11b/g wireless networks.

3dBi Antenna and a Hardwire USB Cable for Improved Wireless Performance

The EW-7612UAn V2 has a built-in 3dBi high-gain antenna, which enables it to achieve better signal quality compared to common USB adapters. The included hardwire USB cable also allows users to easily adjust the USB adapter's angle and placement for better wireless performance.

Green WLAN for Improved Energy Efficiency

The EW-7612UAn V2 has adopted a clever protocol for smarter management of power usage. This wireless USB adapter smartly adjusts its power output according to transmission distance and CPU offload. It drastically reduces power consumption when the connection is idle. Designed with green WLAN technology, the EW-7612UAn V2's power consumption can be reduced an average of 20% to 50%.

Hardware WPS (Wi-Fi Protected Setup) Button

Wi-Fi Protected Setup (WPS) is a standard for easy and secure establishment of wireless networks. If the wireless device with which you wish to connect supports WPS, the Edimax EW-7612UAn V2 will automatically set up the wireless connection with a robust WPA data encryption. The Edimax EW-7612UAn V2 wireless USB adapter supports both hardware (push-button) WPS and software WPS configurations.

FEATURES AND TECHNICAL SPECIFICATIONS

- ✦ Complies with 802.11b/g/n standards with data rates up to 300Mbps
- ✦ Green WLAN technology for reduced power consumption
- ✦ Wi-Fi coverage up to 5 times greater than 802.11g routers
- ✦ Includes multi-language EZmax setup wizard
- ✦ Supports 64/128-bit WEP, WPA, WPA2 encryption and WPS
- ✦ Supports QoS-WMM
- ✦ Supports software AP mode

HARDWARE INTERFACE	STANDARD	FREQUENCY BAND
<ul style="list-style-type: none"> ✦ 1 x USB 1.0/2.0 Type A port ✦ 1 x 3dBi high-gain antenna ✦ 1 x hardware WPS button 	<ul style="list-style-type: none"> ✦ IEEE 802.11b, 802.11g, 802.11n 	<ul style="list-style-type: none"> ✦ 2.4000 to 2.4835GHz ✦ (Industrial Scientific Medical Band)
DATA RATE	INSTALLATION	LED
<ul style="list-style-type: none"> ✦ 11b: 1/2/5.5/11Mbps ✦ 11g: 6/9/12/24/36/48/54Mbps ✦ 11n (20MHz): MCS0-15 (up to 144Mbps) ✦ 11n (40MHz): MCS0-15 (up to 300Mbps) 	<ul style="list-style-type: none"> ✦ Multi-language EZmax setup wizard 	<ul style="list-style-type: none"> ✦ Link/Activity
SECURITY	DIMENSIONS	TEMPERATURE & HUMIDITY
<ul style="list-style-type: none"> ✦ 64/128-bit WEP, WPA, WPA2, and IEEE 802.1x ✦ Hardware and software WPS 	<ul style="list-style-type: none"> ✦ 155 (H) x 15 (W) x 15 (D) mm 	<ul style="list-style-type: none"> ✦ 32 to 104° F (0 to 40° C) ✦ 10 to 90% (non condensing)
SYSTEM REQUIREMENTS	OUTPUT POWER	CERTIFICATIONS
<ul style="list-style-type: none"> ✦ Windows XP/Vista/7 	<ul style="list-style-type: none"> ✦ 11b: 16dBm±1.5dBm ✦ 11g: 14dBm±1.5dBm ✦ 11n (20MHz): 13dBm±1.5dBm ✦ 11n (40MHz): 13dBm±1.5dBm 	<ul style="list-style-type: none"> ✦ CE, FCC

NETWORK SETUP DIAGRAM AND RELATED PRODUCTS

Example of how the Edimax EW-7612UAn V2 can be applied:

- Plug the high-gain USB wireless adapter into your computer
- Set up the wireless connection by running the EZmax wizard
- Establish a connection with a 802.11b/g/n wireless access point or router

