



UGL2430-U2

Wireless-N Express USB2.0 Adapter

Delivers Faster Speed and Farther Range for Wireless Connection



FEATURES

- IEEE 802.11n (draft) up to 300Mbps Wi-Fi compliant
- Fully backward compatible with IEEE802.11g/b
- Supports high speed USB 2.0/1.1/1.0 bus interface
- MIMO technology increase up to 4x farther coverage
- Delivers 12x faster speed than IEEE802.11b/g
- Seamless roaming among 802.11n/g/b networks
- Operation at 2.4 ~ 2.5GHz frequency ISM band to meet worldwide regulations
- Support 64/128-bit WEP (Wired Equivalent Privacy)
- Supports advance network security of 802.1X/WPA, WPA-PSK, TKIP/AES, WPA2, WPA2-PSK
- Supports advance WMM (Wi-Fi MultiMedia) function
- Quick setup wizard and Web based user interface for easy management and configuration
- Supports Ad-Hoc (Peer to Peer) communication and Infrastructure mode with Access Point
- Supports most popular operating systems including Windows 2000/ XP/ XP x64/ Vista
- Convenience site survey function and profiles
- Suitable for Notebook or Desktop PC

Package Contents

- One Wireless-N USB Adapter
- One Setup Utility CD-ROM

OVERVIEW

Up to 300Mbps with 12 times faster speed Wireless-N USB Adapter is an advanced IEEE 802.11n (draft) compatible, high performance, wireless adapter that is fully backward compatible with IEEE802.11g/b standards. Therefore, it is an ideal device for home and SOHO networking to a share high speed internet connection, files, printers, and multimedia communications with the flexibility, speed and security you need.

The Wireless-N USB Adapter installs in most desktop or notebooks and lets you put your computer almost anywhere in the building. In order to solve weakness of wireless signal problem, enhanced MIMO technology enables you to very easily extend the range of your wireless network up to 4 times farther wireless range than regular IEEE802.11b/g standard.

This Wireless-N USB Adapter comes with software drivers for the most popular Microsoft Windows operating systems and can be integrated into a larger network, running Windows XP, 2000, Vista in either Ad Hoc mode (without an Access Point) or Infrastructure mode (with an Access Point).

WEP encryption and Wi-Fi Protected Access (WPA), and further enhanced with 802.1x authentication security. With drivers and utility available for most commonly used Windows OS. The 2.4GHz 802.11n/g/b Wireless USB Adapter is a truly solid-design networking device that provides you with the ultimate freedom of wireless networking anywhere.

A setup wizard is provided as the part of the web configuration utility. You can simply follow the step-by-step process to get your wireless USB adapter configuration ready to run in few easy steps.

SPECIFICATIONS

| Wireless LAN Specifications | |
|---------------------------------------|---|
| Wireless Standards | IEEE802.11n (draft) IEEE 802.11g IEEE 802.11b |
| Host Interface | High speed USB2.0/1.1 interface |
| Data Rate | 802.11n: up to 300Mbps 802.11g: 54 / 48 / 36 / 24 / 18/ 12 / 9 / 6 Mbps auto fallback 802.11b: 11 / 5.5 / 2 / 1 Mbps auto fallback |
| Frequency Band | 2.4GHz ISM (Industrial Scientific Medical) Band |
| Chipset | Ralink RT2870 + RT2820 |
| RF Frequency | 2412 ~ 2462 MHz (North America) 2412 ~ 2472 MHz (Europe) 2412 ~ 2484 MHz (Japan) |
| Radio Channel | 1 ~ 14 channels (Universal Domain Selection) |
| Range Coverage | Outdoor: 100 ~ 300 meters (depends on environment) Indoor: 35 ~ 100 meters (depends on environment) |
| Antenna type | Integrated Antenna |
| Roaming | Full mobility and seamless roaming from cell to cell |
| RF Output Power | 13 ~17 dBm (Typical) |
| Modulation | 11n: BPSK, QPSK, 16QAM, 64QAM with OFDM 11g: BPSK, QPSK, 16QAM, 64QAM, OFDM 11b: DQPSK, DBPSK, DSSS, CCK |
| Data Security | 64/128-bit WEP Encryption WPA, WPA-PSK, WPA2, WPA2-PSK. TKIP/AES |
| Network | Auto-switch to use 802.11n or 802.11g or 802.11b mode Supports Ad-Hoc, Infrastructure WLAN network Wireless roaming Data rate auto fall-back under noisy environment or longer range distance Site Survey with Profile function |
| Configuration & Management | Plug-and-Play setup and installation Management Utility supports 2000 / XP/ Vista |
| Media Access Control | CSMA/CA with ACK |
| LED Indicator | Link/Active (Green) |
| Operating System | Windows 2000 / XP / XP x64 / Vista |
| Weight | 18g |
| Dimension | 87 (L) x 28 (W) x 12 (H) mm |
| Environment | Operating Temperature: 0°C to 40°C Storage Temperature: -20°C to 75°C Operating Humidity: 10% ~ 90% (Non Condensing) Storage Humidity: 5% ~ 95% (Non Condensing) |
| Compliant | FCC (USA) CE Mark (Europe) RoHS Compliant Wi-Fi Compliant |

APPLICATION DIAGRAM

Infrastructure Mode Application Diagram



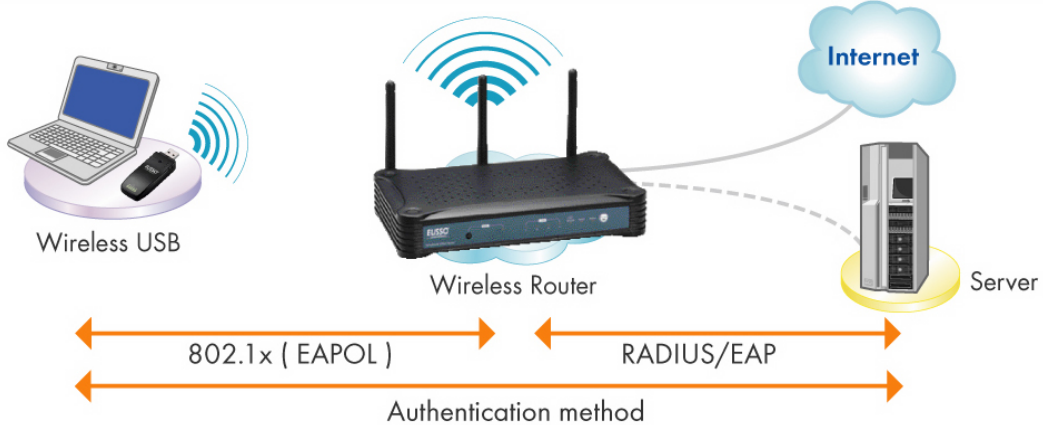
The AP Router (AP) establishes an infrastructure mode for networking between all wireless clients and Ethernet resources.

Wireless Ad-hoc Application Diagram



The wireless Ad-hoc mode is established by several wireless clients, which have the same SSID and radio channel. The wireless USB/PCI/PC Card adapters can be used for such peer-to-peer communication mode.

Authentication with 802.1x and RADIUS Server



When wireless station accessing the network, the AP router provide 802.1x support to check with RADIUS authentication Server to authorize user's access.

ORDERING INFORMATIONS

| Model | Description |
|------------|-----------------------------------|
| UGL2430-U2 | 300Mbps Wireless-N USB2.0 Adapter |

EUSSO Technologies, Inc. is a dedicated data communication and networking company. With professional experiences in design, production, marketing and service support, we deliver the full range networking products including Gigabit Ethernet, Fiber Optic, Wireless LAN, Switches, Hubs, LAN cards, PCMCIA adapters, Converter, Transceivers. As well as Internet Telephony Gateway, Print Servers, Internet Sharing Servers and many others.

2007/11/23 ver 1.0



EUSSO Technologies, Inc.

6F, No.389, Sec.2, Chung Shan Road, Chung Ho City, Taipei 235-58, Taiwan

TEL:+886 (2) 8221-4616 E-mail:sales@eusso.com

FAX:+886 (2) 8221-4607 http://www.eusso.com