



## UGL2430-U2HA (1T2R)

### Wireless-N USB Adapter with 5dBi Antenna

Improve connecting range of your wireless network



#### FEATURES

- Wi-Fi compliant with IEEE 802.11n/g/b, 2.4GHz
- Supports high speed USB 2.0/1.1 interface
- With 5dBi antenna to improve wireless range
- Provides dipole detachable reverse SMA connector for easy replacement with high gain antenna
- Up to 300Mbps (receive) and 150Mbps (transmit)
- 300/270/240/180/120/90/60/54/48/36/24/18/12/11/9/6/5.5/2/1Mbps auto fallback data rate
- 64-bit / 128-bit WEP (Wired Equivalent Privacy)
- Supports security of 802.1X/WPA, TKIP/AES, WPA2
- Supports 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 7 / XP/ Vista / Linux and Mac
- Convenience site survey function and profiles
- Range Coverage: Indoor 35 ~ 100 meters  
Outdoor: 100 ~ 300 meters

#### Package Contents

- One Wireless-N USB Adapter
- One 5dBi Antenna
- One Quick Installation Guide
- One Setup Utility CD-ROM

#### OVERVIEW

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, the 5dBi Omni antenna enables you to very easily extend the range of your wireless network.

This 300/150Mbps Wireless USB Adapter is IEEE802.11n/g/b compatible, high performance, wireless card that supports data transfer speeds of up to 300 Mbps. There is also integrated with a built-in infrastructure mode. 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.

This Wireless-N USB Adapter comes with software drivers for the most popular Windows operating systems and can be integrated into a larger network, running Win7, XP, Vista, Mac, and Linux 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 PC Card configuration ready to run in few easy steps by clicking on the "Wizard" button on the function menu.

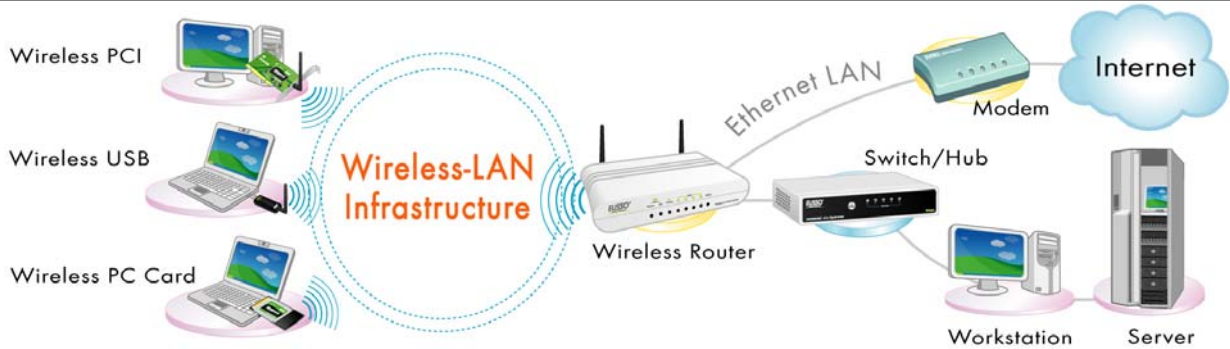
**SPECIFICATIONS**

<b>Wireless LAN Specifications</b>	
<b>Standards</b>	Wireless IEEE802.11n/b/g, Ethernet IEEE802.3, 3u
<b>Host Interface</b>	USB2.0/1.1 Type A
<b>Data Rate</b>	Up to 300Mbps (Receive) and 150Mbps (Transmit) 802.11n: 300 / 270 / 240 / 180 / 120 / 90 / 60 / 54 / 48 / 36 / 30 / 24 / 22 / 18 / 12 / 11 / 6 / 5.5 / 2 / 1 Mbps auto fallback 802.11g: 54 / 48 / 36 / 24 / 18 / 12 / 9 / 6 Mbps auto fallback 802.11b: 11 / 5.5 / 2 / 1 Mbps auto fallback
<b>Frequency Band</b>	2.4GHz ISM (Industrial Scientific Medical) Band
<b>Chipset</b>	RTL8191SU
<b>Power Consumption</b>	Transmit: around 380mA Receive: around 250mA
<b>Radio Channel</b>	1 ~ 11 channels (North America) 1 ~ 13 channels (Europe) 1 ~ 14 channels (Japan)
<b>Range Coverage</b>	Outdoor: 100 ~ 300 meters Indoor: 35 ~ 100 meters
<b>Antenna type</b>	Dipole with detachable reverse SMA connector
<b>Roaming</b>	Full mobility and seamless roaming from cell to cell
<b>RF Output Power</b>	<16dBm@11n, <19dBm@11g, <22dBm@11b
<b>Receiver Sensitivity</b>	300Mbps OFDM, 10% PER, -64dBm 54Mbps OFDM, 10% PER, -70dBm 11Mbps CCK, 8% PER, -80dBm
<b>Data Security</b>	64/128-bit WEP Encryption WPA, WPA2, TKIP, AES
<b>Network</b>	Auto-switch to use 802.11g, 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
<b>Configuration &amp; Management</b>	Plug-and-Play setup and installation Management Utility supports Win7 / XP / Vista, Mac, and Linux
<b>Media Access Control</b>	CSMA/CA with ACK
<b>LED Indicator</b>	Power Status
<b>Operating System</b>	Windows 7 / XP (32/64-bit) / Vista (32/64-bit) Power CPU Mac OSX: 10.4, 10.5; Intel CPU Mac OS: 10.4, 10.5, 10.6 Mac 10.4, 10.5, 10.6; Linux V2.6 0005 20091112.P4
<b>Weight</b>	38g
<b>Dimension</b>	87 (L) x 27 (W) x 13.4 (H) mm

<b>Environment</b>	Operating Temperature: 0°C to 50°C Storage Temperature: -10°C to 70°C Operating Humidity: 5% ~ 90% (Non Condensing) Storage Humidity: 5% ~ 90% (Non Condensing)
<b>Compliant</b>	FCC Part15B/C B (USA) CE Mark (Europe) Wi-Fi Compliant

**APPLICATION DIAGRAM**

**Infrastructure Mode Application Diagram**



The Access Point 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 INFORMATION**

Model	Description
UGL2430-U2HA	300/150Mbps Wireless-N USB Adapter with 5 dBi Antenna ( 1T2R )

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