

## Wireless-G USB 2.0 Mini External Security High Power Adapter

### **WLU-2401**

The WLU-2401 is a wireless USB 2.0 adapter that supports the IEEE 802.11b/g (2.4GHz) radio operation. It provides a high-speed wireless connection with data rate up to 108Mbps. It has removable antenna that allows you to connect with external higher gain antenna. To protect your wireless connectivity, the high-speed wireless USB adapter can encrypt all wireless transmissions through 64/128/152-bit WEP data encryption and also supports WPA. Dynamic Frequency Selection (DFS) puts your network on the cleanest channel in your location. With the high-speed wireless USB adapter, you will experience the best wireless connectivity available.

High Speed Data Rate up to 108Mbps (Super G) Capable of handling heavy data payloads such as MPEG video streaming High Output Power up to 23 dBm More power can advance the distance Standard (AES), Temporal Key Integrity Protocol (TKIP) and Wired and Equivalent Privacy (WEP) Powerful data security (802.11i) IEEE802.1x Client Support Enhances authentication and security Support for 802.11e standard Quality of Service support (QoS) for wireless multimedia enhancements Advanced Power Management Low power consumption (up to 98%) in power saving mode Support eXtended Range technology eXtended Range technology offers Wi-Fi products twice the range of existing designs

### Features at a glance



- High speed data rate up to 108Mbps in Super G mode
- High output power up to 23 dBm
- Advanced Encryption Standard(AES), Temporal Key Integrity Protocol(TKIP) and Wired Equivalent Private(WEP)
- IEEE802.1x client support
- Support for 802.11e standard
- Advanced power management
- Support eXtended range technology
- External (changeable) antenna
- Capable of handling heavy data payloads such as MPEG video streaming
- Excellent output power spreads the operation distance
- Powerful data security
- Enhances authentication and security
- Wireless multimedia enhancements quality of service support(QoS)
- Low power consumption in power saving mode up to 98%
- eXtended range technology give Wi-Fi products twice the range of existing designs
- Changeable antenna provides users more flexible to select other antennas

## Wireless-G USB 2.0 Mini External Security High Power Adapter

|   |   |
|---|---|
| <b>Interface</b>                                    | USB 2.0 , 1.1   |
| <b>Standard Conformance</b>                         | IEEE802.11, IEEE802.11g, IEEE802.11b, draft IEEE 802.11e & i standards, IEEE802.1x  |
| <b>Data Transfer Rate</b>                           | IEEE802.11b : 1/2/5.5/11 Mbps<br>IEEE802.11g : 6/9/12/18/24/36/48/54 and up to 108 Mbps   |
| <b>Access Method</b>                                | Infrastructure Mode , Ad-Hoc Mode (802.11 Ad-Hoc)   |
| <b>Security</b>                                     | IEEE802.1x support for LEAP/PEAP<br>WPA/WPA2- Wi-Fi Protected Access (AES, 64,128,152-WEP with shared-key authentication)   |
| <b>Frequency Range</b>                              | IEEE802.11b : 2.4 to 2.472 GHz<br>IEEE802.11g : 2.4 to 2.472 GHz  |
| <b>Wireless Medium</b>                              | <b>802.11g:</b> OFDM (64-QAM, 16-QAM, QPSK, BPSK)<br><b>802.11b:</b> DSSS (DBPSK, DQPSK, CCK)   |
| <b>Media Access Protocol</b>                        | Carrier Sense Multiple Access with Collision Avoidance (CSMA/CA)  |
| <b>Modulation Method</b>                            | IEEE802.11b : DBPSK (1 Mbps) , DQPSK (2 Mbps) , CCK (5.5/11 Mbps)<br>IEEE802.11g : BPSK (6/9 Mbps), QPSK (12/18 Mbps), 16QAM (24/36 Mbps), 64QAM (48/54 Mbps)   |
| <b>Operating Channels</b>                           | 11 for North America, 14 for Japan, 13 for Europe   |
| <b>Transmit Power</b>                               | <b>FCC (Typical)</b><br>2.412~2.472G(IEEE802.11g)<br>22 dBm @ 6 ~ 24 Mbps<br>21 dBm @ 36 Mbps<br>20 dBm @ 48 Mbps<br>19 dBm @ 54 Mbps<br>2.412~2.472G(IEEE802.11b)<br>22 dBm @1~11Mbps<br><b>ETSI (Typical)</b><br>2.412~2.472G(IEEE802.11g)<br>20 dBm @ 6 ~ 24 Mbps<br>20 dBm @ 36 Mbps<br>20 dBm @ 48 Mbps<br>19 dBm @ 54 Mbps<br>2.412~2.472G(IEEE802.11b)<br>20 dBm @1~11Mbps |
| <b>Receiver Sensitivity</b>                         | 2.412~2.472G(IEEE802.11g)<br>6Mbps@ -91dBm;<br>54Mbps@ -76dBm<br>2.412~2.472G(IEEE802.11b)<br>11Mbps@ -91dBm;<br>1Mbps@ -96dBm  |
| <b>Antenna</b>                                      | Dipole antenna (2dBi detachable antenna)  |
| <b>LED Indicators</b>                               | RF link activity  |
| <b>Operating Voltage</b>                            | 5 V ± 0.25V   |
| <b>Operating systems</b>                            | Windows XP/2000/ME/98   |
| <b>Environment &amp; Mechanical Characteristics</b> |   |
| <b>Operating Temperature</b>                        | -0°C to 55°C  |
| <b>Storage Temperature</b>                          | -20°Cto 75°C  |
| <b>Humidity</b>                                     | 5%~95% Typical  |
| <b>Dimensions</b>                                   | 14 (H) x 53.9 (W) x 75.2 (L) mm   |
| <b>Weight</b>                                       | 40g / 1.5oz   |
| <b>Certifications</b>                               | FCC Part 15, ETSI 300/328/CE, IC, Wi-Fi, RoHS and WEEE  |