

Wireless 802.11 a/b/g USB 2.0 High Power Adapter

WLU-2401A

The WLU-2401A is a wireless USB 2.0 adapter that supports dual-band the IEEE 802.11a/b/g (2.4GHz & 5 GHz) 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 A/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 A/G mode
- High output power up to 200mW (b/g) and 60mW (11a) in FCC
- 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) antennas
- 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

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Interface	USB 2.0 , 1.1
Standard Conformance	802.11a, IEEE802.11g, IEEE802.11b, draft IEEE 802.11e & i standards, IEEE802.1x
Data Transfer Rate	802.11b: 1/2/5.5/11 Mbps; IEEE802.11g : 6/9/12/18/24/36/48/54 and up to 108 Mbps
Access Method	Infrastructure Mode , Ad-Hoc Mode (802.11 Ad-Hoc)
Security	IEEE802.1x support for LEAP/PEAP WPA/WPA2- Wi-Fi Protected Access (AES, 64,128,152-WEP with shared-key authentication)
Frequency Range	802.11b/g: 2.4 - 2.472 GHz; 802.11a : 5.15-5.25GHz, 5.25~5.35GHz, 5.50~5.70GHz, 5.725~5.825GHz
Wireless Medium	802.11a/g: OFDM (64-QAM, 16-QAM, QPSK, BPSK); 802.11b: DSSS (DBPSK, DQPSK, CCK)
Media Access Protocol	Carrier Sense Multiple Access with Collision Avoidance (CSMA/CA)
Modulation Method	IEEE802.11a/g : BPSK (6/9 Mbps), QPSK (12/18 Mbps), 16QAM (24/36 Mbps), 64QAM (48/54 Mbps) IEEE802.11b : DBPSK (1 Mbps) , DQPSK (2 Mbps) , CCK (5.5/11 Mbps)
Operating Channels	802.11b/g: 11 for North America, 14 for Japan, 13 for Europe 802.11a: US/Canada:12 non-overlapping channel (5.15~5.35GHz, 5.725~5.825GHz), Europe:19 non-overlapping channel (5.15~5.35GHz, 5.50~5.825GHz), Japan: 4 non-overlapping channel (5.15~5.25GHz), China: 5 non-overlapping channel (5.725~5.85GHz)
Transmit Power (FCC Typical)	5.18~5.24 GHz 17 dBm @6Mbps 13 dBm @54Mbps 5.26~5.32 GHz 18 dBm @6Mbps 14 dBm @54Mbps 5.745~5.825GHz 16 dBm @6Mbps 12 dBm @54Mbps 2.412~2.462GHz(IEEE802.11g) Up to 22 dBm @ 6 ~ 24 Mbps; 20 dBm @ 36 Mbps; 19 dBm @ 48 Mbps; 18 dBm @ 54 Mbps 2.412~2.472G(IEEE802.11b): Up to 22 dBm @1~11Mbps
Receiver Sensitivity	5.15~5.35GHz 6Mbps@ -90dBm; 54Mbps@ -74dBm 5.47~5.725GHz 6Mbps@ -90dBm; 54Mbps@ -73dBm 5.75~5.85GHz 6Mbps@ -89dBm; 54Mbps@ -72dBm 2.412~2.472G(IEEE802.11g): 6Mbps@ -91dBm; 54Mbps@ -76dBm 2.412~2.472G(IEEE802.11b): 11Mbps@ -91dBm; 1Mbps@ -96dBm
Antenna	Dipole antennas (2dBi detachable antennas)
LED Indicators	RF link activity
Operating Voltage	5 V ± 0.25V
Operating systems	Windows XP/2000/ME/98/Vista
Operating Temperature	-0°C to 55°C
Storage Temperature	-20°C to 75°C
Humidity	5%~95% Typical
Dimensions / Weight	77.0(L) mm x 60.0(W) mm x 17.0(H) mm. Weight: 40g / 1.5oz
Certifications	FCC Part 15, ETSI 300/328/CE, IC, Wi-Fi, RoHS and WEEE

Optional 802.11 a/b/g 2.4+5.xGHz Rubber Duck Antenna: TWX-614XRSXX



Description: 5dBi Omni-directional Indoor Rubber Duck Antenna, 2.4+5.xGHz Tri-band, Dipole Antenna, Replacement Antenna, WLAN Antenna, Stubby Antenna

Features: *For High Gain IEEE 802.11a/b/g 2.4+5.xGHz Tri-band, Easy installation

Specification:

Frequency Range (Hz)	2.4G/5.2G/5.8G
Impedance (Ω)	50
SWR(≤)	2
Gain(dBi)	4/5/4.5
Polarization	Vertical, Linear
HPBW @ 3dB	--
Radiation	Omni-directional
RF Connector	Reverse SMA Plug
Dimensions (mm)	149*21.2
Weight (g)	29

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