

# PRODUCT DATASHEET

Wireless USB 2.0 Adapter

EUB-3701 EXT

2.4 GHz

802.11 b/g

54 Mbps

The USB 2.0 wireless card supporting 802.11b/g (2.4GHz) radio operation. It provides high-speed wireless connection with data rate up to 54Mbps. 2dBi or higher gain antenna could be incorporated into adapter easily. The shirking dimension, light weight & lower power consumption design can easily integrate into a wide range of computer and Laptop devices.

To protect your wireless connectivity, the high-speed wireless USB adapter can encrypt all wireless transmissions through 64/128-bit WEP data encryption and also supports WPA and WPA2(AES)



Features	Benefits
High Speed Data Rate up to 54Mbps	Capable of handling heavy data payloads such as MPEG video streaming.
WPA/WPA2 (IEEE 802.11i), WEP 64/128 Support	Powerful data security.
IEEE802.1x Client Support (TLS, TTLS, LEAP)	Enhances authentication and security.
WMM (IEEE 802.11e) standard support	Wireless Multimedia Enhancements Quality of Service support (QoS) / enhanced power saving for Dynamic Networking
USB 2.0/1.1	USB 2.0 interface and compatible with USB 1.1
External antenna	Integrate with high gain antenna easily and upgrade link quality.
Mac driver supported	Work with Mac Laptop and Notebook

\* Theoretical wireless signal rate based on IEEE standard of 802.11a, b, g chipset used. Actual throughput may vary. Network conditions and environmental factors lower actual throughput rate.

\*\* All specifications are subject to change without notice.

10/18/2007

## Technical Specifications

### Data Rates

**802.11g:** 6, 9, 12, 18, 24, 36, 48, 54 Mbps

**802.11b:** 1, 2, 5.5, 11Mbps

### Standards / Compliance

IEEE802.11, IEEE802.11g, IEEE802.11b, draft IEEE 802.11e, and i standards, IEEE802.1x

### Regulation Certifications

FCC Part 15, ETSI 300/328/CE

### Operating Voltage

5 V  $\pm$  0.25V

### Status LEDs

RF link activity

### RF Information

#### Frequency Band

U.S., Europe and Japan product covering 2.4 to 2.484 GHz, programmable for different country regulations

#### Media Access Protocol

Carrier Sense Multiple Access with Collision Avoidance (CSMA/CA)

#### Modulation Technology

**802.11g:** OFDM (64-QAM, 16-QAM, QPSK, BPSK)

**802.11b:** DSSS (DBPSK, DQPSK, CCK)

#### Operating Channels

11 for North America, 14 for Japan, 13 for Europe

#### Receive Sensitivity (Typical)

- 2.412~2.472G(IEEE802.11g)  
6Mbps@ -80dBm  
54Mbps@ -68dBm
- 2.412~2.472G(IEEE802.11b)  
11Mbps@ -80dBm  
1Mbps@ -85dBm

#### Available transmit power

- 2.412~2.472G(IEEE802.11g)  
15  $\pm$  2dBm @6Mbps~54Mbps
- 2.412~2.472G(IEEE802.11b)  
19  $\pm$  2dBm @1~11Mbps

#### Antenna

External Antenna

### Networking

#### Topology

Ad-Hoc, Infrastructure

### Security

WPA/WPA2 (AES, 64,128-WEP with shared-key authentication)

### OS support

Windows 2000/XP/Vista and Mac OS

### Physical

#### Form Factor

USB 2.0/1.1

#### Dimensions (HxWxD)

68(L) mm x 25(W) mm x 10(H) mm

#### Weight

40 g/ 1.5oz

### Environmental

#### Temperature Range

Operating: -0°C to 55°C

Storage: -20°C to 75°C

#### Humidity (non-condensing)

5%~95% Typical

#### Package Contents

One CD-ROM with User's Manual and Drivers

#### Related Product(s)

11 b/g High-power Wireless USB 2.0 Adapter

NUB-362

11 a/b/g High-power Wireless USB 2.0 Adapter

NUB-862

11 a/b/g Wireless USB 2.0 Adapter

NUB-8301

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