

# EUB-3701 EXT

Wireless USB 2.0 Adapter

- 2.4 GHz
- 802.11 b/g
- 54Mbps



### PRODUCT DESCRIPTIONS

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)

### PACKAGE CONTENTS:

- > One CD-ROM with User's Manual and Drivers
- > QIG

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

EUB-3701 EXT Datasheet Version 17022009

\*Theoretical wireless signal rate based on IEEE standard of 802.11 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

BUSINESS CLASS

## EUB-3701 EXT

> 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 ± 0.25V

**Status LEDs**

Power  
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)

Typical 15 dBm@6Mbps~54Mbps

● 2.412~2.472G(IEEE802.11b)

Typical 19dBm@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°Cto 75°C

**Humidity (non-condensing)**

5%~95% Typical

> 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