

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 108Mbps. The shirking dimension, light weight & lower power consumption design can easily integrate into a wide range of OEM/ODM device

EUB-362 has high power and high sensitivity. It can advance your distance and performance.

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. With the High-Speed Wireless USB Adapter, you will experience the best wireless connectivity available.



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

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2.4 GHz

802.11 b/g

108 Mbps

## Technical Specifications

### Data Rate

802.11g: 6, 9, 12, 18, 24, 36, 48, 54, up to 108 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

### Drivers

Windows 2000/XP/98/ME

## 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, 2 for Spain, 4 for France

### Receive Sensitivity (Typical)

- 2.412-2.472G(IEEE802.11g)  
6Mbps@ -91dBm;  
54Mbps@ -76dBm
- 2.412-2.472G(IEEE802.11b)  
11Mbps@ -91dBm;  
1Mbps@ -96dBm

### Available Transmit Power

#### FCC

- 2.412-2.472G(IEEE802.11g)  
22 dBm @ 6 ~ 24 Mbps  
21 dBm @ 36 Mbps  
20 dBm @ 48 Mbps  
19 dBm @ 54 Mbps
- 2.412-2.472G(IEEE802.11b)  
22 dBm @1-11Mbps

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### ETSI

- 2.412-2.472G(IEEE802.11g)  
20 dBm @ 6 ~ 24 Mbps  
20 dBm @ 36 Mbps  
20 dBm @ 48 Mbps  
19 dBm @ 54 Mbps
- 2.412-2.472G(IEEE802.11b)  
20 dBm @1-11Mbps

### Antenna

Dipole antenna (2dBi Antenna Gain)

## NETWORKING

### Topology

Ad-Hoc, Infrastructure

### Security

IEEE802.1x support for LEAP/PEAP

WPA – Wi-Fi Protected Access (AES, 64,128,152-WEP with shared-key authentication)

## PHYSICAL

### Form Factor

USB 2.0 / 1.1

### Dimensions (LxWxH)

75.2(L) mm x 53.9(W) mm x 14(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  
One USB dongle

## RELATED PRODUCT(S)

11 a/b/g High-power Wireless USB 2.0 Adapter  
NUB-862  
11 a/b/g Wireless USB 2.0 Adapter  
NUB-8301