

2.4 GHz

802.11 b/g

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

EUB-362(EXT) has high power and high sensitivity. Further, it provides an external antenna which can easily advance your distance and performance more flexible.

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 108Mbps in Super G mode  | Capable of handling heavy data payloads such as MPEG video streaming.             |
| High Output Power up to 23 dBm  | Excellent output power spreads the operation 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 |
| External (changeable) Antenna   | Changeable Antenna provides users more flexible to select other antennas          |

\*\*\* Subject to change without prior notice

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## Technical Specifications

### Data Rates

**802.11g:** 6, 9, 12, 18, 24, 36, 48, 54, and  
Up to 108 Mbps

**802.11b:** 1, 2, 5.5 and 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

## 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 (Typical)

- 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

#### ETSI (Typical)

- 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 detachable antenna)

## 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

One Antenna (2dBi)

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