

# EUB-362 EXT

Atheros Wireless USB 2.0 Adapter

- 802.11 b/g
- 2.4 GHz
- 108 Mbps



### PRODUCT DESCRIPTION

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.

### PACKAGE CONTENT

- One CD-ROM with User's Manual and Drivers
- One USB dongle
- One Antenna (2dBi)

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

EUB-362 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-362 EXT

#### 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 ± 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