

PRODUCT DATASHEET

Atheros Wireless USB 2.0 Adapter

NUB-362

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

NUB-862 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. Dynamic Frequency Selection (DFS) puts your network on the cleanest channel in your location. With the High-Speed Wireless USB Adapter, you will experience the best wireless connectivity available.



Features	Benefits
High Speed Data Rate up to 54Mbps	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.
Standard (AES), Temporal Key Integrity Protocol (TKIP) and Wired and Equivalent Privacy (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

* 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.

6/28/2005

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/UL, ETSI 300/328/CE

Operating Voltage

5 V \pm 0.25V

Status LEDs

RF link activity

Drivers

Windows 98SE/ME/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

- 2.412~2.472G(IEEE802.11g)

23 \pm 1dBm @6Mbps

20 \pm 1dBm @54Mbps

- 2.412~2.472G(IEEE802.11b)

23 \pm 1dBm @1~11Mbps

ETSI

- 2.412~2.472G(IEEE802.11g)

19 \pm 1dBm @6~ 54Mbps

- 2.412~2.472G(IEEE802.11b)

19 \pm 1dBm @1~11Mbps

Antenna

Dipole 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

Dimensions (HxWxD)

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 Quick Start Guide

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

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