PRODUCT DATASHEET

Atheros Wireless USB 2.0 Adapter NUB-362

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

NUB-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

* 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. 6/6/2006

Technical Specifications

Data Rates

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, IC, WiFi, RoHS, and WEEE compliant

Operating Voltage

5 V ± 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

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 (Typical)

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

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/WPA2– Wi-Fi Protected Access (AES, 64,128,152-WEP with shared-key authentication)

Physical

Form Factor

USB 2.0 / 1.1

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°Cto 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

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