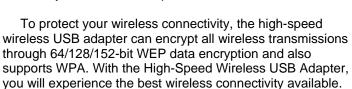
PRODUCT DATASHEET

Atheros Wireless USB 2.0 Adapter
2.4 GHz 802.11 b/g

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





Features	Benefits
High Speed Data Rate up to 108Mbps in	Capable of handling heavy data payloads
Super G mode	such as MPEG video streaming.
High Output Power up to 23 dBm	Excellent output power spreads the operation
	distance
Advanced Encryption Standard (AES),	Powerful data security.
Temporal Key Integrity Protocol (TKIP) and	
Wired Equivalent Private (WEP)	
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

^{*} 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.

Technical Specifications

ETSI (Typical)

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, IC, WiFi, RoHS and WEEE

Operating Voltage

5 V ± 0.25V

Status LEDs

RF link activity

Drivers

Windows XP/2000/ME/98

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

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

• 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/WPA2— 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°Cto 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)

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

^{*} 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.