Atheros Wireless Lan PCI Adapter		*NPI-3601*
2.4 GHz	**802.11b/g**	**108 Mbps**

Complying with IEEE802.11g, EPI-3601 adopts "Super G" and "Extended Range" WLAN transmission technologies, resulting in transmission speeds of up to 108M, transmission distance is 2-3 times that of the normal 11b, 11g products, transmission range extended to 4-9 times.

It provides multi security protection. Complying with 64/128/152-bit WEP Encryption, WPA, IEEE802.1X, TKIP and AES, which provides super-safety data communication abilities. With its strong firewall, EPI-3601 features effective security to protect the wireless network from intruders. With the external antenna, it can fit different operation environments and let the user connect to the Wireless network easily. The EPI-3601 also supports Seamless Roaming and is compatible with other 11b, 11g WLAN equipments.

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Features	Benefits
2.4GHz IEEE802.11b/g standard	Fully interoperable with IEEE802.11/b/g compliant products.
High Speed Data Rate up to 108Mbps	Capable of handling heavy data payloads such as MPEG video streaming
802.11i security specifications, provides Advanced Encryption Standard (AES), Temporal Key Integrity Protocol (TKIP), IEEE802.1x client	Enhances authentication and security.
Site Survey Utility	Allows users to browser the available active access points which users can connect
802.11e Standard Support	Wireless Multimedia Enhancements Quality of Service support (QoS)
Seamless roaming	Full mobility
Support eXtended Range technology	Up to 9 times than the range of normal wireless products.

* Theoretical wireless signal rate based on IEEE standard of 802.11b, g chipset used. Actual throughput may vary. Network conditions and environmental factors lower actual throughput rate.

** All specifications are subject to change without notice. 7/11/2007

Technical Specifications

Data Rates

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

802.11b: 1, 2, 5.5, 11Mbps

Standards / Compliance

IEEE802.11, IEEE802.11g, IEEE802.11b

Regulation Certifications

FCC Part 15.247, ETSI 300/328/CE

Drivers

Windows 2000/XP/Vista

Current consumption

Tx Current $\leqq$ 685mA (Full transmit)

Rx Current $\leqq$ 515mA (Full transmit)

Range Coverage

Indoor: 35~100 meters (depends on environment)

Outdoor: 100~300 meters (depends on environment)

RF Information

Frequency Band

2.4~2.4835GHz

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,

Roaming

Full mobility and seamless roaming from cell to cell

Available transmit power

18 dBm (Typical)

Networking

Topology

Ad-Hoc, Infrastructure

Security

64/128/152-bit WEP encryption
WPA-PSK/WPA2
TKIP/AES

Physical

Form Factor

32-bit PCI interface

Dimensions (LxWxH)

5.2 x 4.8 x 0.9in.(133 x 121 x 22mm)

Environmental

Temperature Range

Operating Temperature: 0℃~40℃ (32℉~104℉)
Storage Temperature: -40~70℃ (-40℉~158℉)

Humidity (non-condensing)

Operating Humidity: 10%~90% non-condensing
Storage Humidity: 5%~95% non-condensing

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