



EnGenius® DATASHEET

High power WLAN PCI Adapter		EPI-3601S
2.4 GHz	802.11b/g	108 Mbps

EPI-3601S is compliant to IEEE802.11b/g PCI card which adopts “Super G” and “Extended Range” WLAN technologies, enhance the transmission speeds up to 108M, extend 6 times distance than the normal 11b, 11g products.

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-3601S 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-3601S also supports seamless roaming and is compatible with other 11b, 11g WLAN equipments.



Features	Benefits
2.4GHz IEEE802.11b/g standard	Fully interoperable with IEEE802.11b/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.
High transmit output power up to 27dBm	Up to 6 times than the range of normal wireless products.
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)
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* 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.

Technical Specifications

Data Rates

802.11g: 6, 9, 12, 18, 24, 36, 48, 54, 72 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 \leq 685mA (Full transmit)

Rx Current \leq 515mA (Full transmit)

Range Coverage

Indoor: 600 meters (depends on environment)

Outdoor: 1500 meters (depends on environment)

RF Information

Frequency Band

2.412~2.472GHz

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, 13 for Europe

Roaming

Full mobility and seamless roaming from cell to cell

Available transmit power

Receive Sensitivity (Typical)

802.11g:

-90 dBm @ 6Mbps,

-74 dBm @ 54Mbps

802.11b:

-95 dBm @ 1Mbps

-90 dBm @ 11Mbps

Available transmit power (Typical)

● 2.412~2.472 GHz (IEEE802.11g)

26 @ 6~24Mbps

24 @ 36Mbps

23 @ 48Mbps

22 @ 54Mbps

● 2.412~2.462 GHz (IEEE802.11b)

27 dBm @ 1~11Mbps

Networking

Topology

Ad-Hoc, Infrastructure

Security

IEEE802.1x

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°C~40°C (32°F~104°F)

Storage Temperature: -40~70°C (-40°F~158°F)

Humidity (non-condensing)

Operating Humidity: 10%~90% non-condensing

Storage Humidity: 5%~95% non-condensing

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