



Wireless 802.11g 54Mbps PCMCIA Adapter ENPWI-G2



Product Description

Enjoy fast wireless networking from your laptop with the ENPWI-G2. The ENPWI-G2 is an IEEE 802.11G 2.4Ghz Wireless based Type II CardBus Adapter. Features low power consumption which allows laptops to conserve power yet maintain a strong wireless connection. Backwards compatible with 802.11B offers versatility in sharing files, music, video and even the internet. Stay connected up to 100 feet.

Roam with the protection of WEP, WPA and WPA2, encryption. WEP, WPA and WPA2 protects your network from unauthorized access. Access peer-to-peer or infrastructure networks from wireless hotspots around the globe. Achieve the best possible connection with Dynamic rate shifting technology.

Plug and play makes installation and configuration easy. Easy to use software gets you connected fast.

Support most Windows operating systems (Windows 98SE/ME/2000/XP).

Product Features

- Compatible with IEEE 802.11g high rate standard to provide wireless Ethernet speeds of 54Mbps data rate
- Dynamic data rate scaling at 54, 48, 36, 24, 18, 12, 9 and 6Mbps for 802.11g
- Dynamic data rate scaling at 11, 5.5, 2 and 1Mbps for 802.11b
- Maximum reliability, throughput and connectivity with automatic data rate switching
- Supports wireless data encryption with 64/128-bit WEP standard for security. Supports WPA, WPA-PSK, WPA2, WPA2-PSK
- Supports 32-bit PCI interface slot for Desktop PC
- Drivers support Windows 98, 2000, ME and XP
- Simple user setup & diagnostics utilities Type approval compliant with FCC Part 15.247 for US, ETS 300 328 for Europe

Product Specifications

Radio Technology

IEEE 802.11g Orthogonal Frequency Division Multiplexing (OFDM)
IEEE 802.11b Direct Sequence Spread Spectrum (DSSS)

Interface

CardBus Type II specification 32bit data bus

Transmission Rate

1, 2, 5.5, 6, 11, 12, 18, 24, 36, 48, 54Mbps (auto sense)

Receiver Sensitivity

54Mbps: Typical - 73dBm @ 10% PER
11Mbps: Typical - 85dBm @ 8% PER

Wireless LAN Frequency Range

2412 ~ 2484 MHz ISM band (channels 1 ~ 14)

Modulation Schemes

DBPSK/DQPSK/CCK/OFDM

Media Access Protocol

CSMA/CA with ACK

Transmit Power

Minimum 15dBm typically @ 802.11b
Minimum 12dBm typically @ 802.11g

Channel

USA: 11
Europe: 13
Japan: 14

Driver Support

Windows 98(SE)/2000/ME/XP

Security

64/128-bits WEP Encryption
Wireless Fidelity Protected Access (WPA, WPA2)

Range Coverage

Indoor: 35 ~ 100 meters (depends on environment)
Outdoor: 100 ~ 300 meters (depends on environment)

Roaming

Full mobility and seamless roaming from cell to cell

Antenna

Integrated Microstrip dual diversity antennas

Continuous Current Consumption

240mA typ. for receive mode
530mA typ. for transmit mode

Diagnostic LEDs

Power & Link status

Dimensions (W x H x D)

118 x 54 x 7 mm (W x H x D)

Operation Temperature

0 ~ 40 oC

Storage Temperature

-10 ~ 70 oC

Humidity

10% ~ 95% RH, no condensation

Certifications

FCC Part 15.247 for US
ETS 300 328 for Europe