



## Wireless 802.11g 54Mbps PCI Adapter ENLWI-G2



### Product Description

The ENLWI-G2 is a fully functional IEEE 2.4 GHz 802.11G device capable of transferring at speeds up to 54Mbps for up to 100 feet. This adapter is fully compatible with 802.11G and 802.11B devices. WEP, WPA and WPA2 encryption protects your network and keeps intruders out. Supports both Ad-Hoc and Infrastructure modes. Compatible with 32-bit and 64-bit PCI bus. Achieve the best possible connection with Dynamic rate shifting technology.

Convert your desktops to wireless workstations. Wireless technology eliminates the hassle of running Ethernet wires around the office or home. Share MP3s, digital video, documents, files and even the internet at blazing 54Mbps wireless speed. No need to rewire Ethernet cables when moving around PCs.

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

32-bit PCI interface

### Transmission Rate

1, 2, 5.5, 6, 11, 12, 18, 22, 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

### Continuous Current Consumption

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

### Diagnostic LEDs

Link

status

**Dimensions (W x H x D)**

133 x 121 x 21.6 mm (without antenna)

**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