

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-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



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)
- ✓ Windows 2000
- ✓ Windows ME
- ✓ Windows XP

Security

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

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 °C

Storage Temperature

- ✓ -10 ~ 70 °C

Humidity

- ✓ 10% ~ 95% RH, no condensation

Certifications

- ✓ FCC Part 15.247 for US
- ✓ ETS 300 328 for Europe

Ordering information

CS-WLG-1203 IEEE802.11g 54Mbps Wireless LAN 32-bit PCI Adapter