

Features

- Compatible with IEEE 802.11b high rate standard to provide wireless
- Ethernet speeds of 11Mbps data rate
- Dynamic data rate scaling at 11, 5.5, 2 and 1Mbps
- Maximum reliability, throughput and connectivity with automatic data rate switching
- Supports wireless data encryption with 64/128-bit WEP standard for security
- 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 802.11b Direct Sequence Spread Spectrum (DSSS)

Interface

- ✓ 32-bit PCI interface

Transmission Rate

- ✓ 1, 2, 5.5, 11Mbps (auto sense)

Receiver Sensitivity

- ✓ 11Mbps: Typical -80dBm @ 8% PER (Packet Error Rate)
- ✓ 2Mbps: Typical -87dBm @ 8% PER (Packet Error Rate)

Wireless LAN Frequency Range

- ✓ 2400 ~ 2497 MHz ISM band (channels 1 ~ 14)

Modulation Schemes

- ✓ DBPSK/DQPSK/CCK

Media Access Protocol

- ✓ CSMA/CA with ACK

Transmit Power

- ✓ Minimum 15dBm typically

Channel

- ✓ USA: 11
- ✓ Europe: 13
- ✓ Japan: 14

Driver Support

- ✓ Windows 98(SE)
- ✓ Windows 2000
- ✓ Windows ME
- ✓ Windows XP

Security

- ✓ 64/128-bits WEP Encryption

Range Coverage

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

Antenna

- ✓ Fixed antenna (WLB-1200)
- ✓ Reverse SMA connector with a detachable antenna (WLB-1201)

Continuous Current Consumption

- ✓ 250mA typ. for receive mode
- ✓ 450mA typ. for transmit mode

Diagnostic LEDs

- ✓ Power & Link status

Power

- ✓ PCI 3.3V power only

Dimensions (W x H x D)

- ✓ 133 x 121 x 21.6 mm (without antenna)

Operation Temperature

- ✓ 0 ~ 55 °C

Storage Temperature

- ✓ -20 ~ 75 °C

Humidity

- ✓ 10% ~ 95% RH, no condensation

Certifications

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

Ordering information

CS-WLB-1200 IEEE802.11b 11Mbps Wireless LAN 32-bit PCI Adapter w/fixed antenna

CS-WLB-1201 IEEE802.11b 11Mbps Wireless LAN 32-bit PCI Adapter w/reverse SMA type connector antenna