Features

- Compatible with IEEE 802.11b high rate standard to provide wireless Ethernet speeds of 11Mbps data rate
- Dynamic date 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
- Integrated microstrip dual diversity antenna for the multi-path environment
- One-piece PC Card design to fully support CardBus type II defined mechanical and environmental stress conditions
- 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 and ARIB STD-T66 for Japan

Specifications

Radio Technology
- ✓ IEEE 802.11b Direct Sequence Spread Spectrum (DSSS)

Interface
- ✓ CardBus Type II specification 32bit data bus

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)

Roaming
- ✓ Full mobility and seamless roaming from cell to cell

Antenna
- ✓ Integrated Microstrip dual diversity antennas

Continuous Current Consumption
- ✓ 250mA typ. for receive mode
- ✓ 450mA typ. for transmit mode

Diagnostic LEDs
- ✓ Power & Link status

Dimensions (W x H x D)
- ✓ 100 x 54 x 5 mm (with antenna)

Operation Temperature
- ✓ 0 ~ 55 ºC

Storage Temperature
- ✓ -20 ~ 75 ºC

Humidity
- ✓ 10% ~ 95% RH, no condensation

Certifications
- ✓ FCC Part 15.247 for US
- ✓ ETS 300 328 for Europe
- ✓ ARIB STD-T66 for Japan

Ordering information

CS-WLB-1100 32-bit CardBus 802.11b 11Mbps Wireless LAN PC Card