

CS-WLB-2006/2007

IEEE802.11b 11Mbps Wireless
Access Point

Features

- Provide Ethernet to Wireless LAN bridge fully compatible on Ethernet side and fully IEEE 802.3u compatible on the Ethernet side and fully interoperable with IEEE 802.11b compliant equipment
- Ethernet interface with 10/100BASE-Tx
- IEEE 802.11b Infrastructure operating modes
- Dynamic data rate scaling at 11, 5.5, 2 and 1Mbps
- Allow auto fallback data rate for optimized reliability, throughput and transmission range
- Supports wireless data encryption with 64/128-bit WEP standard for security
- Dual diversity antennas for the multi-path environment
- Firmware upgrade capability via Web Browser



Specifications

Standards

- ✓ IEEE 802.11b (Wireless LAN)
- ✓ IEEE 802.3u (Fast Ethernet)

Radio Technology

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

Transmission Rate

- ✓ 1, 2, 5.5, 11Mbps (auto sense)

Receiver Sensitivity

- ✓ 11Mbps: Typical -84dBm @ 8% PER (Packet Error Rate)
- ✓ 2Mbps: Typical -90dBm @ 8% PER (Packet Error Rate)

Wireless LAN Frequency Range

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

Transmit Power

- ✓ Minimum 13dBm typically (100 mW)

Antenna Type

- ✓ Dual diversity antennas with 2 dB gain
- ✓ Fixed Antenna for WLB-2006
- ✓ External Antenna for WLB-2007 using SMA type connector

Protocol

- ✓ TCP/IP
- ✓ DHCP client

Interface

- ✓ 10/100BASE-Tx RJ-45 Fast Ethernet

Power Adapter

- ✓ 5V / 2.4A

Network Management

- ✓ WEB base configuration utility via Ethernet

Channel

- ✓ USA: 1 ~ 11 (US, Canada, China)
- ✓ Europe: 1 ~ 13 (Europe Taiwan)
- ✓ Japan: 1 ~ 14 (Japan)

Security

- ✓ 64/128-bits WEP Encryption in Hex or ASCII mode

Range Coverage

- ✓ Indoor: 50 ~ 100 meters (depends on environment)
- ✓ Outdoor: 100 ~ 500 meters (depends on environment)

Diagnostic LEDs

- ✓ Power
- ✓ LAN & WLAN

Dimensions (W x H x D)

- ✓ 139.5 x 114.5 x 29.4 mm (w ithout antenna)

Operation Temperature

- ✓ 0 ~ 40 °C

Storage Temperature

- ✓ -25 ~ 70 °C

Humidity

- ✓ 10% ~ 95% RH, no condensation

Certifications

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

Ordering Information

CS-WLB-2006 IEEE 802.11b 11Mbps Wireless Access Point (Fixed Antenna)

CS-WLB-2007 IEEE 802.11b 11Mbps Wireless Access Point (External Antenna using SMA connector)