CS-WLG-2002/2003

IEEE802.11g 54Mbps
Wireless Access Point

Features

- **Provide Ethernet to Wireless LAN bridge fully compatible on Ethernet side and fully IEEE 802.3 compatible on the Ethernet side and fully interoperable with IEEE 802.11g compliant equipment**
- **Provide 10/100 BASE-TX Fast Ethernet interface**
- **IEEE 802.11g Infrastructure and Ad-Hoc operating modes**
- **Dynamic date rate scaling at 54, 48, 36, 24, 18, 12, 9 and 6Mbps for 802.11g**
- **Dynamic date rate scaling at 11, 5.5, 2 and 1Mbps for 802.11b**
- **Allow auto fallback data rate for optimized reliability, throughput and transmission range**
- **Supports wireless data encryption with 64/128-bit WEP standard for security**
- **Supports wireless security standards WPA**
- **Dual diversity antennas for the multi-path environment**
- **Web-based configuration tools and management**

Specifications

Standards
- 9 IEEE 802.11g (Wireless LAN)
- 9 IEEE 802.3u (Fast Ethernet)

Radio Technology
- 9 802.11b: Direct Sequence Spread Spectrum (DSSS)
- 9 802.11g: Orthogonal Frequency Division Multiplexing (OFDM)

Transmission Rate
- 9 1, 2, 5.5, 6, 11, 12, 18, 22, 24, 36, 48, 54Mbps (auto sense)

Receiver Sensitivity
- 9 54Mbps: Typical 68dBm @ 10% PER (Packet Error Rate)
- 9 11Mbps: Typical 81dBm @ 8% PER (Packet Error Rate)

Wireless LAN Frequency Range
- 9 2400 ~ 2497 MHz ISM band (channels 1 ~ 14)

Modulation Schemes
- 9 DBPSK/DQPSK/CCK/OFDM

Media Access Protocol
- 9 CSMA/CA with ACK

Transmit Power
- 9 802.11g: Minimum 12dBm typically
- 9 802.11b: Minimum 15dBm typically

Antenna Type
- 9 Dual diversity antennas with 2 dB gain

Interface

Network Management
- 9 Web base configuration via Web Browser

Channel
- 9 USA: 1 ~ 11
- 9 Europe: 1 ~ 13
- 9 Japan: 1 ~ 14

Security
- 9 64/128-bits WEP Encryption/Decryption
- 9 Wireless Fidelity Protected Access (WPA)

Range Coverage
- 9 Indoor: 50 ~ 100 meters (depends on environment)
- 9 Outdoor: 100 ~ 300 meters (depends on environment)

Diagnostic LEDs
- 9 Power & LAN & WLAN

Dimensions (W x H x D)
- 9 139.5 x 114.5 x 29.4 mm (without antenna)

Operation Temperature
- 9 0 ~ 40 ₀C

Storage Temperature
- 9 -25 ~ 70 ₀C

Humidity
- 9 10% ~ 95% RH, no condensation

Certifications
- 9 FCC Part 15.247 for US
- 9 ETS 300 328 for Europe

Ordering Information

CS-WLG-2002 IEEE 802.11g 54Mbps Wireless Access Point (Fixed Antenna)
CS-WLG-2003 IEEE 802.11g 54Mbps Wireless Access Point (Reverse SMA connector Antenna)

ConnectStar Technology   *www.connectstartechnology.com*