



Features

- Features 11Mbps data rate by incorporating Direct Sequence Spread Spectrum technology.
- Fully IEEE 802.11b compatible. Allows inter-operation among multiple vendors.
- Technique operating in the unlicensed 2.4GHz ISM band.
- Seamless roaming within the 802.11 & 802.11b wireless LAN infrastructure.
- Provides user authentication to enforce tight security.
- Supports WEP & MAC address control.
- Highly efficient antenna provides a range of operation up to 800 feet in free space.
- Provides Windows-based Diagnostic, Statistics Tools and Traffic Monitor.

Introduction

The WLAN-9100 performs as a fast and cost-effective bridge between wired and wireless local area network. It provides users with the advantage of easy-to-extend networking and mobility. Fully compliant with the IEEE 802.11(b), 11Mbps Wireless LAN standard, the WLAN-9100 features many powerful functions such as: high-security WEP40 protection, self-diagnostic configuration utility, Web management, SNMP and more. Thus, the WLAN-9100 is especially suitable for difficult-to-wire environments and mobile workers.

Placed anywhere along an Ethernet LAN, the WLAN-9100 allows wireless stations to transparently access the corporate network. The numerous wireless LAN devices can connect to one WLAN-9100 without limitation. By detecting WLAN-9100 automatically, wireless LAN devices can roam different areas as long as they are the same settings. In addition, the WLAN-9100 also provides WEP40 standard and MAC Access Control to protect transmission security. This makes it suitable for high-security networking. We also provide four convenient methods to configure the WLAN-9100: Web management, telnet, configuration utility, RS-232. You can configure it remotely via Internet. For further transmission security, the WLAN-9100 adapts MAC access control capabilities to limit the specific wireless LAN devices joining the network.

Specifications

- **Modulation:** Direct Sequence Spread Spectrum (CCK, DQPSK, DBPSK)
- **Speed Option:** Data rate selection (11, 5.5, 2 and 1 Mbps per channel), also support auto rate selection
- **Range Coverage:** Maximum 800 feet (open space)
- **Antenna:** Integrated with various high-gain antenna.
- **Sensitivity:** -83 dBm (at 1E-5 BER)
- **Power Supply:** 12 V_{DC} (AC power supply included)
- **RF Output Power:** 13 dBm

- **Bridge Function:** Transparent bridging between Ethernet, airwaves RF access protocol: CSMA/CA+ACK (per IEEE 802.11 specification)
- **Protocol:** CSMA/CA+ACK (per IEEE 802.11 specification)
- **Roaming:** IEEE802.11b MAC Function supported
- **Operation Frequency/Operation Channels:**
 - 2.412~2.462 GHz (N.America)/11 Channels
 - 2.412~2.472 GHz (Japan TELEC)/14 Channels
 - 2.412~2.472 GHz (Europe ETS)/13 Channels
- **Configuration:** Windows-based Utility, SNMP, RS-232/Telnet, Web
- **Ethernet Connector/Physical Interface:** 10/100 base-T(RJ-45)
- **Serial Port:** RS-232 (configuration port)
- **Operating Temperature:** 0~70° C
- **Storage Temperature:** -20~80° C
- **Humidity (non-condensing):** 5~80%
- **Dimension:** 184 mmL x 142 mmW x 50 mmH
- **LED indicators:** Power, AP, Wireless Activity, Ethernet Activity, Connection
- **Power consumption:** Tx: 12 V @ 450 mA
Rx: 12 V @ 320 mA

Ordering Information

- **WLAN-9100A/WLAN-9100E/WLAN-9100J**
11 Mbps Wireless LAN Access Point for US/European/Japan standard
- **ANT-2010** Directional antenna, 18 dBi, 50 W
- **ANT-2011** Directional antenna, 13.9 dBi, 50 W
- **ANT-2012** Non-directional antenna, 3 dBi, 50 W
- **ANT-2013** Non-directional antenna, 0 dBi, 2 W
- **ANT-2014** Non-directional antenna, w/MMCX connector 0 dBi, 10 W
- **Connect-3010** 30 cm MMCX-SMA connector