

108Mbps Standard 11g PCI Bus Wireless LAN Adapter



The WL-8310 is an IEEE 802.11g Wireless PCI card that can operate in either Ad-Hoc mode (Point to Point/Point to Multipoint without an Access Point) or Infrastructure mode (Point to Point/Point to Multipoint with an Access Point). WL-8310 is compliant to both 802.11b and 802.11g, but it is capable to offer much higher data rate than standard. With the latest innovative eXtended Range technology, the WL-8310 can operate at 108Mbps data rate in high SNR (signal-to-noise ratio) environment, and process extremely low signal in low SNR environment.

Provided with a detachable dipole antenna, the WL-8310 can obtain better signal quality and longer connection distances by using higher gain antennas. The WL-8310 supports both 64/128-Bit WEP (Wired Equivalent Privacy) and Wi-Fi Protected Access (WPA) for securing wireless network connections. The driver and utility support most popular operating systems: Windows 98SE/ME/2000/XP. With all these advanced features and high performance, WL-8310 is the optimal choice when constructing a wireless total solution.

KEY FEATURE

- Wireless LAN IEEE 802.11g and 802.11b standards fully compliant
- Wireless connection without the difficulty and cost of cabling
- Based on 2.4GHz Direct Sequence Spread Spectrum (DSSS) Technology
- Supports eXtended Range technology to operate at 108Mbps data rate in high SNR (signal-to-noise ratio) environment, and process extremely low signal in low SNR environment.
- Supports 64/128-Bit WEP (Wired Equivalent Privacy) and Wi-Fi Protected Access (WPA)
- Supports Ad-Hoc (Peer to Peer) communication and Infrastructure mode with Access Point
- Seamless integration with IEEE 802.3 LAN through any IEEE 802.11b or 802.11g compliant Access Point
- Supports most popular operating systems including Windows 98/Me/2000/XP
- One detachable dipole antenna
- Low Interference and High Susceptibility Guarantee Reliable Performance
- Supports Power Save mode
- Supports PCI standard v2.2

SPECIFICATION

Product	108Mbps Standard 11g PCI Bus Wireless LAN Adapter
Model	WL-8310
Attachment Interface	PCI V2.2
LED Indicators	Steady for power on; blink for WLAN link/act
Operating Frequency/Channel	2.412~2.462GHz (FCC, Canada)/11 Channels 2.412~2.4835GHz (TELEC, Japan)/14 Channels 2.412~2.472GHz (ETSI, Europe)/13 Channels
RF Modulation	Direct Sequence Spread Spectrum (DSSS) Technology (OFDM, CCK, QPSK, BPSK)
RF Output Power	16dBm (typical)
Sensitivity	802.11g: -66dBm @ PER<8%, 54 Mbps 802.11b: -82dBm @ PER<8%, 11 Mbps
Data Rate	Super G: up to 108Mbps 802.11g: 54, 48, 36, 24, 18, 12, 9, 6 Mbps with auto-rate fall back 802.11b: 11, 5.5, 2, 1 Mbps with auto-rate fall back
Media Access Protocol	CSMA/CA + ACK
Antenna	One detachable dipole antenna
Working Mode	Ad-Hoc, Infrastructure
Compatibility	Windows 98SE/ME/2000/XP
Management	Utility or Windows XP built-in management interface

APPLICATIONS

WL-8310 offers a fast, reliable, cost-effective solution for wireless client access to the network in applications

- *Remote access to corporate network information*

E-mail, file transfer and terminal emulation.

- *Difficult-to-wire environments*

Historical or old buildings, asbestos installations, and open areas where wiring is difficult to employ.

- *Frequently changing environments*

Retailers, manufacturers and banks who frequently rearrange the workplace and change locations.

- *Temporary LANs for special projects or peak time*

Trade shows, Sports events, exhibitions and construction sites need temporary setup for a short time period. Retailers, airline and shipping companies need additional workstations for a peak period. Auditors requiring workgroups at customer sites.

- *SOHO (Small Office and Home Office) users*

SOHO users requiring quick and easy installation of a small computer network.

- *High security connection*

Wireless network security installs quickly and provides the flexibility to reconfigure easily.

ORDERING INFORMATION

WL-8310	108Mbps Standard 11g PCI Bus Wireless LAN Adapter
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