

802.11g Wireless PCI Adapter



Complying with the newly approved 802.11g standard, WL-8316 provides a faster wireless connection for laptop users who want to access network resources. The gadget delivers data at speeds up to 54Mbps, 5 times data rate than 802.11b.

WL-8316 provides 360 degrees' coverage of wireless access by employing a build-in dipole antenna. Support of 64 and 128-bit WEP encryption plus WPA (Wi-Fi Protected Access) high-level encryption keeps your wireless network from unauthorized access and ensures secure data transfer.

Backward compatible with 802.11b products, allowing interoperability with any Wi-Fi certified wireless 802.11b/g products, so both 11b and 11g clients can reside on the same network. The WL-8316 can operate in either Ad-Hoc mode (Point to Point/Point to Multipoint without Access Point) or Infrastructure mode (Point to Point/Point to Multipoint with Access Point).

Support of most operating systems such as Windows 98SE / Me / 2000 / XP / Server 2003 offers greater scalability and usability, making the device a perfect choice for users who are getting tired of running cables or in constant need of wireless access.

KEY FEATURE

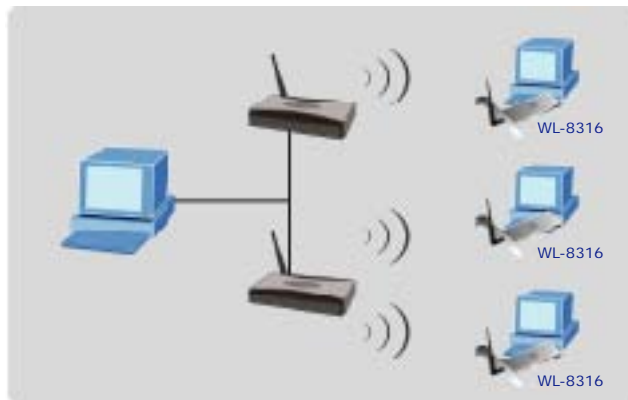
- 2.4GHz ISM band, unlicensed operation
- A fast Wireless connection without the hassles and cost of running cables
- IEEE 802.11b/g standard compliant
- Compliant with PCI 2.1/2.2
- Up to 54Mbps data rate
- Utilization of Direct Sequence Spread Spectrum plus OFDM modulation to provide a robust, interference-resistant solution in a multi-user environment
- Supports 64/128-bit WEP encryption and WPA (Wi-Fi Protected Access), WPA2 high-level encryption
- Supports Ad-Hoc / Infrastructure
- Seamless integration with IEEE 802.3 Ethernet through any other IEEE 802.11b/g compliant Access points
- Support of most popular operating systems including Windows 98SE/Me/2000/XP and Server 2003
- Support of Power Save mode
- Plug-and-Play installation

SPECIFICATION
Product 802.11g Wireless PCI Adapter

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|--------------------------------------|--|
| Model | WL-8316 |
| Interface | Complaint with PCI 2.1/2.2 standard |
| Standards Conformance | Compliant with 802.11b / 802.11g |
| Data Transfer Rate | IEEE 802.11b: 1 / 2 / 5.5 / 11Mbps (auto sensing) IEEE 802.11g: 6 / 9 / 12 / 18 / 24 / 36 / 48 / 54Mbps (auto sensing) |
| Operating Mode | Infrastructure, Ad-Hoc |
| Security | WEP 64/128-bit, WPA-PSK, WPA, WPA2 |
| RF Modulation | OFDM with BPSK, QPSK, 16-QAM, 64QAM |
| Media Access Protocol | CSMA / CA |
| Operating Frequency / Channel | 2.412~2.462GHz (FCC, Canada) / 11 Channels 2.412~2.472GHz (Euro ETSI) / 13 Channels 2.412~2.4835GHz (Japan, TELEC) / 14 Channels |
| Output Power | 15dBm (Typical) |
| LED Indicators | LNK/ACT |
| Temperature | Operating: 0 °C ~ 40 °C Storage: -20 °C ~ 70 °C |
| Operating Humidity | Operating: 10% to 85% Non-Condensing Storage: 5% to 90% Non-Condensing |
| Dimensions (L x W x H) | 120 X 121 X 21mm |
| Weight | 50g |
| Certifications | FCC, CE |

APPLICATIONS
Infrastructure

For some environments with limitations on running Ethernet cables around, simply install the WL-8316 on your desktop or laptop, and users thus can get connected to the wired Ethernet through a wireless access point to access the network resources within the coverage of wireless signals. The installation of multiple access points to enlarge the coverage of wireless signals and can ensure seamless network access for mobile users.


Ad-Hoc

Need connecting several desktop PC or notebooks wirelessly? Configuring all the wireless adapters to Ad-Hoc mode without wireless access point is the easiest and costly way to meet this demand.


ORDERING INFORMATION
WL-8316 802.11g Wireless PCI Adapter