

## HCL WLAN 802.11b/g PCI Adapter

*HCL Wireless LAN 802.11b/g PCI Adapter, HCL-11b/g-PCI, is a cost effective wireless solution to connect to your desktop for convenient wireless connectivity. HCL-11b/g-PCI is IEEE802.11g compliant and is interoperable with other wireless network devices built on the same standard while being downward compatible with IEEE 802.11b devices.*



*HCL-11b/g-PCI adapter is the perfect solution for wireless network applications based on the IEEE 802.11g standard that offers a data rate up to 54Mbps in a wireless LAN environment. It is a high-speed wireless network card that plugs into your PC and accesses to the LAN or peer-to-peer networking easily without wires or cables. It gives you the ability to connect to a wireless network at home or at the office.*

*With its support of Wi-Fi Protected Access (WPA-EAP and WPA-PSK), HCL-11b/g-PCI adapter provides security for wireless LAN communications for both SOHO mobile users and Enterprise wireless users. The client manager provides an easy platform for users to configure their wireless network using the profile management.*

### Application

*Whether you're at your desk or in the boardroom, it allows you to share printers, files, and other network resources. The easiest way to get your PC wireless network-ready is through your PCI interface. With instant and the simple setup with our included software, you can share your network's data, printers, or your single, high-speed Internet account.*

### Key Features

- **Reliability** – IEEE 802.11g compliance ensures reliable operation in long range and noisy environment and also inter-operable with other wireless devices that are designed based on IEEE 802.11b and 802.11g standard. In addition, the dynamic rate shifting capability ensures reliable wireless connectivity and allows automatic selection of the optimum connection speed to any wireless LAN device or access point.
- **Security** -- Supports 64/128 Bit WEP Encryption and latest Wireless security standard Wi-Fi Protected Access (WPA) to ensure that data transmissions remain secure in the wireless network. Only Wireless clients that are successfully authenticated will be able to retrieve the encrypted data.
- **Future 802.11i Ready** -- Supports Advanced Encryption System (AES), which ensures full compatibility of the future wireless security standard IEEE 802.11i.
- Excellent receiver sensitivity and delay spread robustness

## HCL WLAN 802.11b/g PCI Adapter

- **Profile Management (Client Manager)** – The configuration utility allows for creation of multiple profiles for different wireless network environments and monitoring utility enables users to monitor the signal strength and connection speed of HCL-11b/g-PCI.
- **Networking Modes** – HCL-11b/g-PCI supports two types of networking modes: Infrastructure mode and ad-hoc mode. In Infrastructure mode, clients communicate with each other through an access point. Whereas in ad-hoc mode, clients directly communicate with each other without the need for an access point.

### Specifications

Standards	<ul style="list-style-type: none"> <li>• Complies with IEEE 802.11g and IEEE 802.11b</li> </ul>
Frequency Band and Radio Technology	<ul style="list-style-type: none"> <li>• 802.11b: 2400 ~ 2483.5 MHz Direct Sequence Spread Spectrum (DSSS)</li> <li>• 802.11g: 2400 ~ 2497 MHz Orthogonal Frequency Division Multiplexing (OFDM)</li> </ul>
Operating Channels	<ul style="list-style-type: none"> <li>• 11 (US, Canada)</li> <li>• 13 (Europe, Asia)</li> <li>• 14 (Japan) channels</li> </ul>
Performance	<ul style="list-style-type: none"> <li>• 802.11b: 1, 2, 5.5, 11 Mbps</li> <li>• 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps</li> </ul>
Distance	<ul style="list-style-type: none"> <li>• Indoor: 20m (54Mbps) &amp; Outdoor: 80m (54Mbps)</li> </ul>
Wireless Security	<ul style="list-style-type: none"> <li>• 64-bit / 128-bit WEP</li> <li>• Wi-Fi Protected Access (WPA-EAP &amp; WPA-PSK)</li> </ul>
Operation Modes	<ul style="list-style-type: none"> <li>• Infrastructure Mode &amp; Ad-Hoc Mode</li> </ul>
Compliance	<ul style="list-style-type: none"> <li>• FCC Part 15 Sub Class B and Class C CE R&amp;TTE</li> </ul>
Management	<ul style="list-style-type: none"> <li>• Client Manager Software</li> </ul>
Driver/ OS Supported	<ul style="list-style-type: none"> <li>• Windows 98SE/ME/2000/XP, Linux</li> </ul>
Environment	<ul style="list-style-type: none"> <li>• Operating Temperature: 0° ~ 50° C</li> <li>• Storage Temperature: -20° ~ 70° C</li> <li>• Operating Humidity: 10% ~ 90% Relative Humidity Non-condensing</li> <li>• Storage Humidity: 5% ~ 95% Relative Humidity Non-condensing</li> </ul>
Dimensions	<ul style="list-style-type: none"> <li>• Height x Width x Depth - 22 x 120 x 153 mm (0.87 x 4.7 x 6.02 inches)</li> </ul>

## HCL WLAN 802.11b/g PCI Adapter

### Benefits

- *Works with virtually any PC equipped with PCI slot*
- *Provides excellent speed and range for worry-free connection*
- *Sets up easily with included Installation software*
- *Adds your PC to your home or office network--without cables*
- *Client Security: Provides 64/128-bit WEP Encryption*

### Ordering Information

<i>SAP Code</i>	<i>Part Number</i>	<i>Description</i>
CHCWL007	HCL-11b/g-PCI	HCL Wireless LAN 802.11b/g PCI Adapter

### Contact Information

HCL Infosystems Ltd.  
E- 4,5,6, Sector -11,Noida-201301, UP, INDIA  
TEL: +91-120-2526910  
Email: [infoserve@hclinsys.com](mailto:infoserve@hclinsys.com)  
WWW- <http://www.hclinfosystems.com>

**\*\* Information subject to change at HCL's discretion**