# 11g Wireless CardBus Adapter

WPC-0301

## H/W Version: 6

LevelOne's WPC-0301 is a wireless adapter with the 32-bit PCMCIA Carbus interface that is fully compliant with IEEE 802.11g to deliver data rates up to 54 Mbps at 2.4 GHz. This device provides reliable wireless data communication to help extend your network's capabilities.

To integrate WPC-0301 wireless PCMCIA adapter in your computer, you can easily connect to Internet wirelessly in the high data transmission speed and establish a secure wireless network for the money-saving solution. The LevelOne WPC-0301 can be used in the infrastructure

mode by connecting the wireless AP or router to the internet seamlessly or in Ad-hoc mode to connect with other wireless computers for file sharing.

The LevelOne WPC-0301 adapter secures your data transmission and prevents hackers from accessing network resources by providing standard 64/128-bit WEP encryption, enhanced WPA (Wi-Fi Process Access), WPA-PSK and also features the 802.1x for supporting strong user authentication.

Power/Link LED

## Key Features

- Compliant with IEEE 802.11g and 802.11b standards
- Highly efficient design mechanism to provide unbeatable performance
- Support Ad-Hoc, Infrastructure WLAN network wireless roaming
- Network security with WEP, WPA, WPA2 support
- Auto-switch between the two standards, IEEE 802.11b and 802.11g
- Data rate auto fall-back under noisy environment or longer range distance
- Driver support for Windows 98SE/ME/2000/XP/ Vista

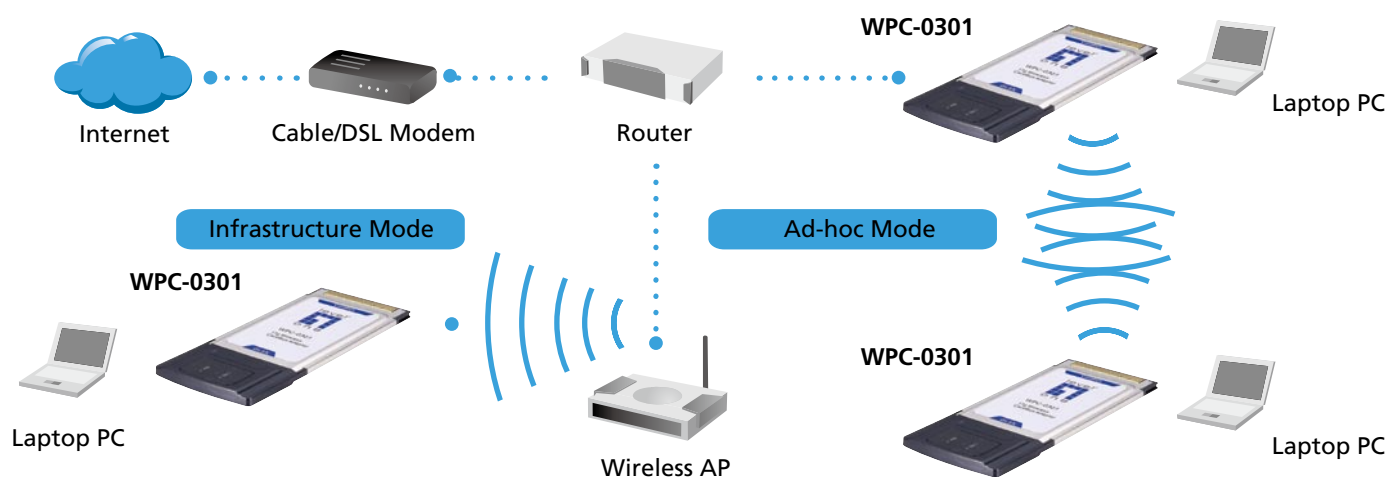## Works Well With

**WAP-3100**
11g Wireless PoE Access Point

**WBR-3408**
54Mbps Wireless Router w/ QoS

## Technical Specification

| Standards |
| --- |
| IEEE 802.11g, IEEE 802.11b |

| Host Interface |
| --- |
| Card Bus Type: 32-bit CardBus |

| Radio Operation |
| --- |

**Data Transfer Rate**
802.11g: 54, 48, 36, 24, 18, 12, 9 and 6 Mbps
802.11b: 11, 5.5, 2 and 1 Mbps

**Modulation**
802.11g: OFDM
802.11b: CCK, QPSK, BPSK

**Media Access Control**
CSMA/CA with ACK

**Frequency Band**
2.4GHz ~ 2.4835GHz

**Number of Channels**
Channel 1~11 North America
Channel 1~13 Europe, Japan

**Transmitter Output Power (Typical)**
802.11g/b: 14dBm

| Network Security |
| --- |

- WEP-64/128 bit
- WPA
- WPA-PSK
- WPA2
- WPA2-PSK
- TKIP, AES with 802.1x

| Device Management |
| --- |
| Windows Utility Software |
| OS Supported: Windows 98SE/ME/2000/XP/Vista |

| Physical Specifications |
| --- |

**LED**
Power/Link

**Temperature**
Operating: 0°C ~ 55°C
Storage: –10°C ~ 65°C

**Humidity**
5% ~ 95% (Non-condensing)

**Power Requirement**
802.11g: TX 550mA, RX 360mA, Standby 30mA
802.11b: TX 560mA, RX 360mA, Standby 30mA

**Dimensions:(L x W x H)**
118mm x 53.5mm x 5mm

| Certifications |
| --- |
| CE,FCC |

## Product Diagram



**WPC-0301**
Internet — Cable/DSL Modem — Router — Laptop PC

Infrastructure Mode
**WPC-0301**
Laptop PC
Wireless AP

Ad-hoc Mode
**WPC-0301**
Laptop PC

**Order Information**     **WPC-0301:** 11g Wireless CardBus Adapter

**Package Contents**     WPC-0301, Quick Installation Guide, CD Manual/Driver/Utility