



UGL2454-01K

54Mbps Wireless-G 32-bit PC Card

Linking Your Notebook with Express Wireless Turbo Mode



FEATURES

- Wi-Fi compliant with IEEE 802.11g and 802.11b
- Complies with 32-bit Cardbus Type II Interface
- Supports turbo mode up to 72Mbps high speed
- Supports 64/128-bit WEP wireless data encryption
- Supports advance network security of 802.1X/WPA, WPA-PSK, TKIP/AES
- Quick setup wizard and Web based user interface for easy management and configuration
- Based on 2.4GHz Direct Sequence Spread Spectrum (DSSS) Technology
- Supports Ad-Hoc (Peer to Peer) communication and Infrastructure mode with Access Point
- Supports most popular operating systems including Windows 98/Me/2000/XP/Server 2003/ Vista
- Supports Power Save mode
- Build-in diversity antenna for compact design
- Range Coverage: Indoor 35 ~ 100 meters
Outdoor: 100 ~ 300 meters

Package Contents

- One Wireless-G 32-bit PC Card
- One Quick Installation Guide
- One Setup Utility CD-ROM

OVERVIEW

The 54Mbps Wireless-G Cardbus Adapter is an advanced IEEE 802.11g/b compatible, high performance, wireless card that supports data transfer speeds of up to 54 Mbps or up to 72Mbps with turbo mode in 802.11g.

There is also integrated with a built-in infrastructure mode. Therefore, it is an ideal device for home and SOHO networking to a share high speed internet connection, files, printers, and multimedia communications with the flexibility, speed and security you need.

This Wireless-G Cardbus Adapter comes with software drivers for the most popular Microsoft Windows operating systems and can be integrated into a larger network, running Windows XP, Windows 2000, Windows ME, Windows 98SE, Windows Vista in either Ad Hoc mode (without an Access Point) or Infrastructure mode (with an Access Point).

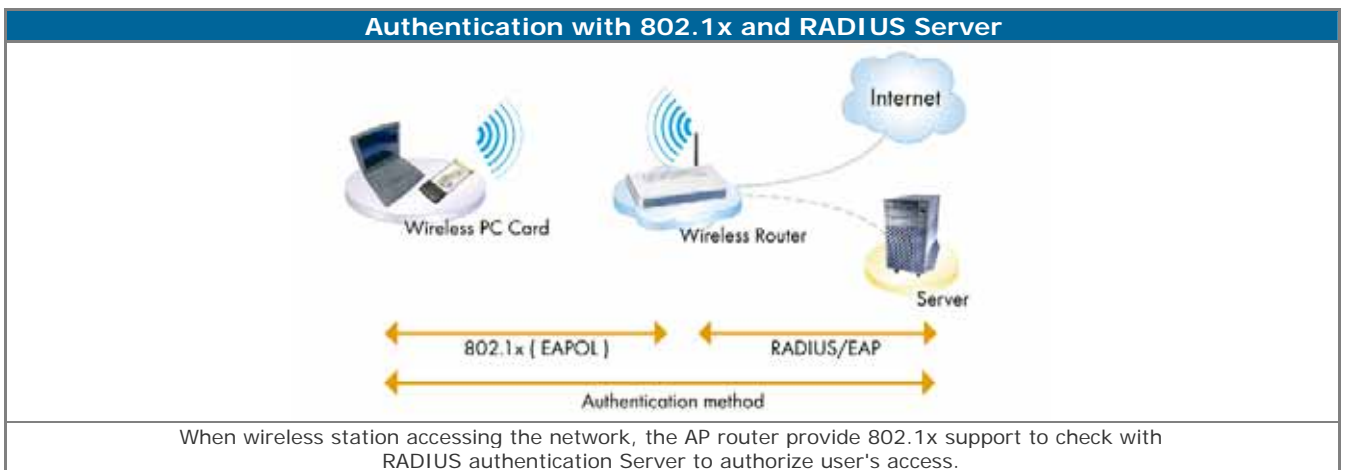
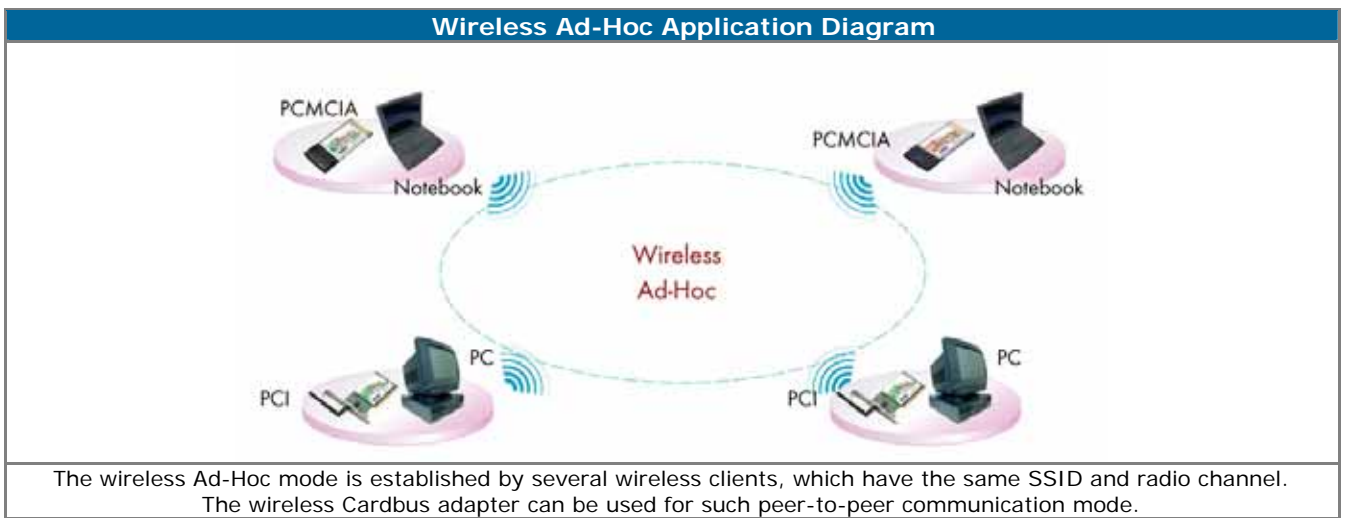
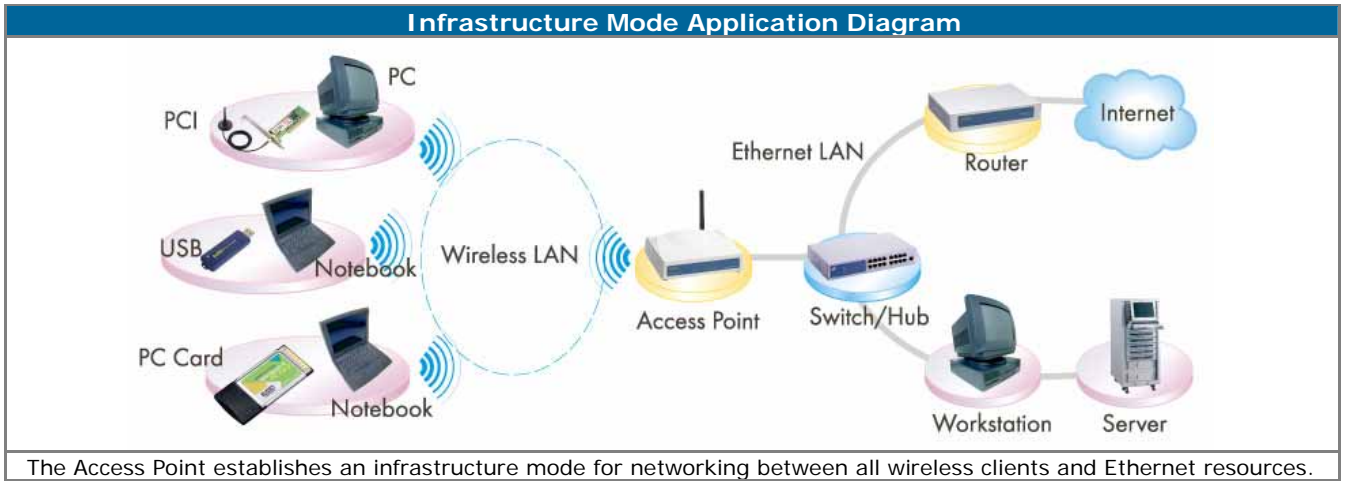
WEP encryption and Wi-Fi Protected Access (WPA), and further enhanced with 802.1x authentication security. With drivers and utility available for most commonly used Windows OS. The 2.4GHz 802.11g/b Wireless Cardbus Adapter is a truly solid-design networking device that provides you with the ultimate freedom of wireless networking anywhere.

A setup wizard is provided as the part of the web configuration utility. You can simply follow the step-by-step process to get your wireless PC Card configuration ready to run in few easy steps by clicking on the "Wizard" button on the function menu.

SPECIFICATIONS

| Wireless LAN Specifications | |
|-----------------------------|--|
| Wireless Standards | IEEE 802.11g, IEEE 802.11b |
| Host Interface | PC Cardbus 32-bit compliant |
| Data Rate | 802.11g: 54 / 48 / 36 / 24 / 18/ 12 / 9 / 6 Mbps auto fallback 802.11b: 11 / 5.5 / 2 / 1 Mbps auto fallback Up to 72Mbps when Turbo Mode enabled |
| Frequency Band | 2.4GHz ISM (Industrial Scientific Medical) Band |
| RF Frequency | 2412 ~ 2462 MHz (North America) 2412 ~ 2472 MHz (Europe) 2412 ~ 2484 MHz (Japan) |
| Radio Channel | 1 ~ 11 channels (North America) 1 ~ 13 channels (Europe) 1 ~ 14 channels (Japan) |
| Range Coverage | Outdoor: 100 ~ 300 meters Indoor: 35 ~ 100 meters |
| Antenna type | Built-in diversity patch antenna, 2dBi gain (max.) |
| Roaming | Full mobility and seamless roaming from cell to cell |
| RF Output Power | 16 – 18 dbm (typical) |
| Receiver Sensitivity | 54Mbps OFDM, 10% PER, -68dBm 11Mbps CCK, 8% PER, -86dBm 6Mbps OFDM, 10% PER, -88dBm 1Mbps BPSK, 8% PER, -92dBm |
| Data Security | WPA-PSK (Wi-Fi Protected Access Pre-Shared Key) 64/128-bit WEP Encryption /Decryption |
| Network | Auto-switch to use 802.11g or 802.11b mode Supports Ad-Hoc, Infrastructure WLAN network Wireless roaming Data rate auto fall-back under noisy environment or longer range distance Site Survey with Profile function |
| Configuration & Management | Plug-and-Play setup and installation Management Utility supports Win98SE/ME/2000/XP and Vista |
| Media Access Control | CSMA/CA with ACK |
| LED Indicator | Link (Green) |
| Operating System | Windows 98SE / Me / 2000 / XP / Vista |
| Weight | 46g (1.6 oz) |
| Dimension | 118 (L) x 54 (W) x 7 (H) mm |
| Environment | Operating Temperature: 0°C to 40°C (32~104°F) Storage Temperature: -10°C to 70°C (32~162°F) Operating Humidity: 10% ~ 90% (Non Condensing) Storage Humidity: 10% ~ 90% (Non Condensing) |
| Compliant | FCC Class B (USA) CE Mark (Europe) VCCI Class B, Wi-Fi Compliant |

Application Diagram



ORDERING INFORMATIONS

| Model | Description |
|-------------|--|
| UGL2454-01K | 54Mbps Wireless-G 32-bit PC Card (with Turbo Mode) |

EUSSO Technologies, Inc. is a dedicated data communication and networking company. With professional experiences in design, production, marketing and service support, we deliver the full range networking products including Gigabit Ethernet, Fiber Optic, Wireless LAN, Switches, Hubs, LAN cards, PCMCIA adapters, Converter, Transceivers. As well as Internet Telephony Gateway, Print Servers, Internet Sharing Servers and many others.

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