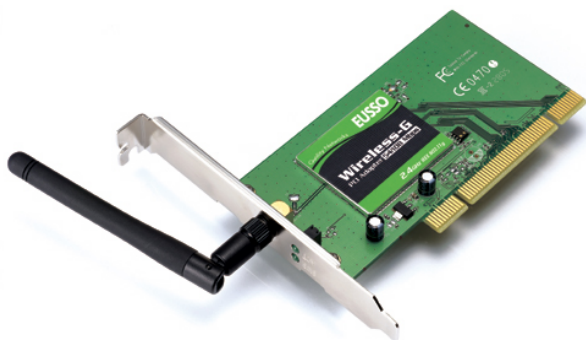
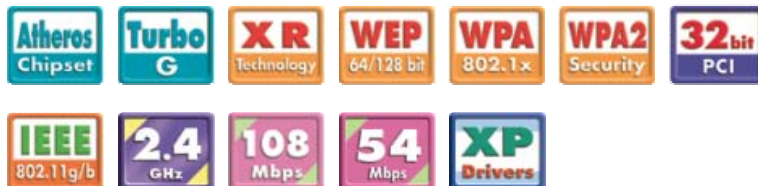


UGL2454-VPXR

108Mbps Wireless-G 32-bit PCI Adapter

Linking Your PC with Super-G Wireless Network



FEATURES

- Wi-Fi compliant with IEEE 802.11g and 802.11b
- Complies with 32-bit PCI revision 2.2 interface
- eXtended Range (XR) technology for better wireless signal coverage
- High performance Super G mode up to 108Mbps data transfer rate for 802.11g Turbo function
- Supports 64/128-bit WEP wireless data encryption
- Supports advance network security of 802.1X/WPA, WPA-PSK, TKIP/AES, WPA2, WPA2-PSK
- Supports Ad-Hoc (Peer to Peer) communication and Infrastructure mode with Access Point
- 2.4GHz ISM band, no license required for operation
- Support Worldwide Radio Domain
- Quick setup wizard and Web based user interface for easy management and configuration
- Supports most popular operating systems including Windows 98SE / Me / 2000 / XP
- Detachable dipole antenna for easier external antenna replacement
- Range Coverage: Indoor 35 ~ 100 meters
Outdoor: 100 ~ 300 meters

Package Contents

- One Wireless-G 32-bit PCI Adapter
- One Setup CD-ROM (Driver/Utility/Manual)

OVERVIEW

The UGL2454-VPXR is a 54Mbps Wireless 32-bit PCI adapter with Atheros Super-G mode to enhance a maximum wireless speed up to 108Mbps data transfer rate. It supports Ad-Hoc (peer-to-peer) communication and Infrastructure mode with Access Pont. Therefore, it is an ideal device for home and SOHO networking with high speed internet connection with the flexibility, speed and security you need.

This Wireless-G PCI 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, in either Ad Hoc mode (without an Access Point) or Infrastructure mode (with an Access Point).

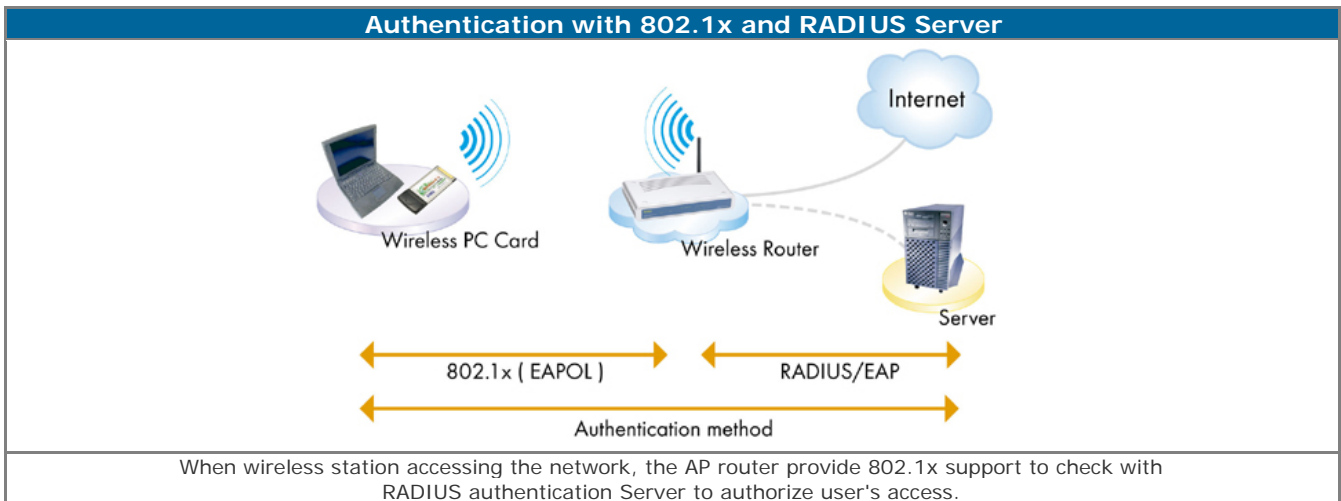
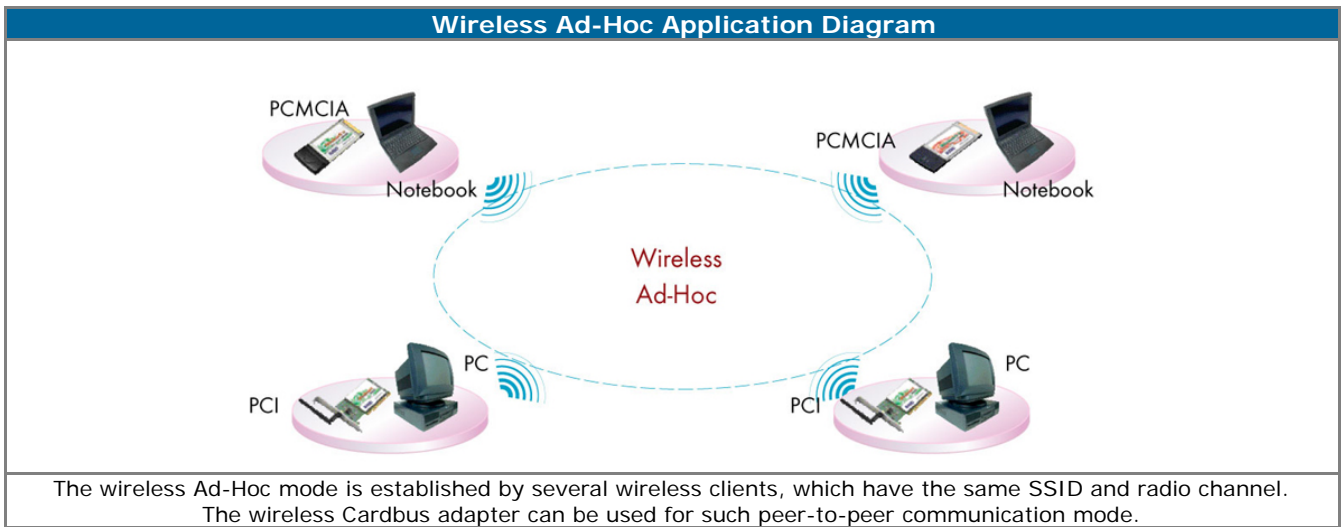
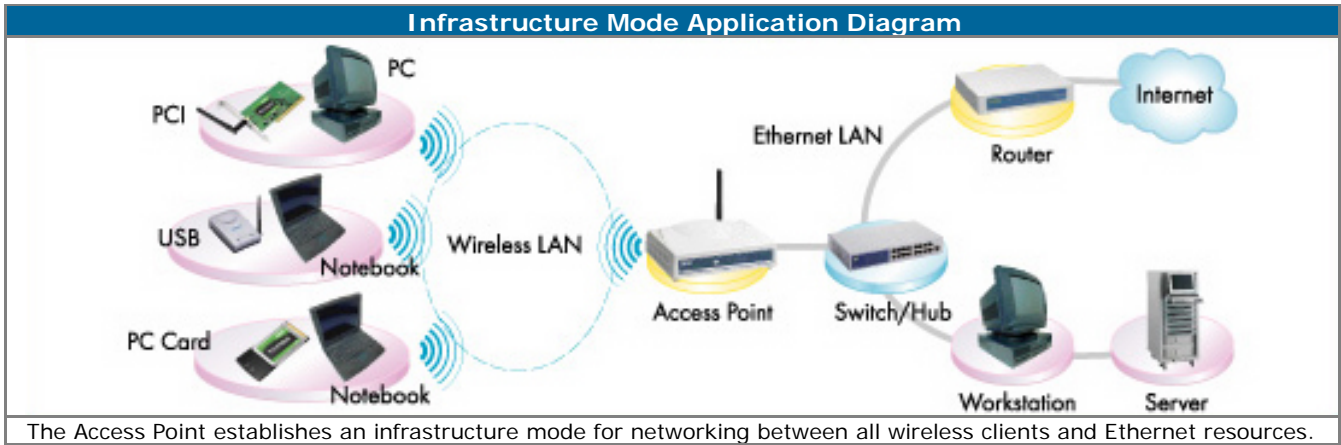
The UGL2454-VPXR features Wi-Fi Protected Access (WPA) and 64/128-bit WEP Encryption to provide an enhanced level of security for wireless data communications. It also includes advanced security features such as WPA2 and AES to keep your wireless connection safe from unauthorized access. With drivers and utility available for most commonly used Windows OS. The 2.4GHz 802.11g/b Wireless PCI 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	PCI revision 2.2
Data Rate	Atheros Super-G mode up to 108Mbps 802.11g: 54 / 48 / 36 / 24 / 18/ 12 / 9 / 6 Mbps auto fallback 802.11b: 11 / 5.5 / 2 / 1 Mbps auto fallback
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	Dipole with Detachable reverse SMA connector
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, WPA-PSK (Wi-Fi Protected Access Pre-Shared Key), WPA2, WPA2-PSK 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 and XP
Media Access Control	CSMA/CA with ACK
LED Indicator	Power, Link Status
Operating System	Windows 98SE / ME / 2000 / XP
Weight	75g (Net)
Dimension	133 (L) x 121 (W) x 21.6 (H) mm
Environment	Operating Temperature: 0°C to 55°C (32~131°F) Storage Temperature: -10°C to 70°C (32~162°F) Operating Humidity: 10% ~ 95% (Non Condensing) Storage Humidity: 10% ~ 95% (Non Condensing)
Compliant	FCC Part15.247 (USA) CE Mark, ETS300, 328 (Europe) Wi-Fi Compliant

Application Diagram



ORDERING INFORMATIONS

Model	Description
UGL2454-VPXR	108Mbps Wireless-G 32-bit PCI Adapter (with Super-G 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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