



Quick Start Guide



AeroLAN® AL5410-G
802.11g Wireless CardBus Adapter



Introduction

Thank you for purchasing an Asanté FriendlyNET AeroLAN Wireless Adapter. This adapter is designed to be the most economical way to add high-speed 802.11g wireless functionality to your small business or home office network.

- Provides fast wireless network connection up to a 54 Mbps (IEEE 802.11g) – interoperable with industry-standard 802.11b/g wireless routers and access points
- Share broadband and network resources wirelessly from home, office, and public wireless hotspots
- Simplify wireless connections with built-in site manager
- Driver included for Windows 98SE/Me/2000/XP
- Free telephone technical support when using with Windows 98SE/Me/2000/XP

Packing List

Your package contains the following items:

- FriendlyNET AeroLAN Wireless CardBus Adapter
- This Quick Start Guide
- Drivers Utility CD-ROM

System Requirements

- **PC Minimum Requirements:** Pentium 133 with 32MB RAM; Microsoft Windows 98, Me, 2000, and XP with an available 32-bit CardBus slot

Software Installation

NOTE: If you have previously installed other wireless drivers, be sure to uninstall them first.

Follow the steps below to install the device driver and wireless configuration utility for the AeroLAN Wireless CardBus Adapter.

Driver Installation

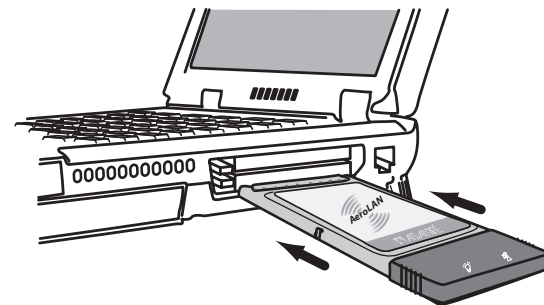
WARNING: Do not install the AeroLAN Wireless CardBus adapter in your laptop until the driver and utility are correctly installed.

Windows

1. Insert the CD into the CD-ROM drive.
2. The CD's Autorun.exe will automatically launch the AeroLAN driver and utility installation software. If the CD does not automatically start the software installation, go to My Computer and browse the CD in the CD-ROM drive. Double-click on the Autorun.exe file.
3. Follow the on-screen instructions to install the AeroLAN wireless utility and driver.
4. Restart the computer when installation is complete.

Hardware Installation

Here's how to install this adapter:



Installing the Adapter into a Laptop

1. Turn off the power to the laptop.
2. Insert the adapter into any available CardBus slot in the laptop.
3. Turn on the power to the laptop and allow it to startup to the desktop.
4. Card will be automatically detected for use by Windows.

Visit Asanté at www.asante.com

Main Corporate Telephone Numbers

800-662-9686 (Home/Office Solutions)
800-303-9121 (Enterprise Solutions)
408-435-8388

Technical Support

www.asante.com/support



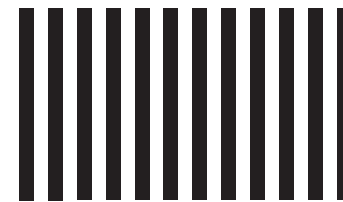
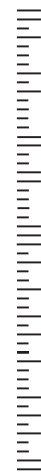
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ASANTE TECHNOLOGIES INC
821 FOX LANE
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NO POSTAGE
NECESSARY
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IN THE
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Asanté Product Registration

Name

Title

Company

Address 1

Address 2

City

State

Zip/Postal

Country

Phone

Fax

Email

Date of Purchase

Asanté Part Number

Product Serial Number

In a few moments, you will see the status of your network card:

A. Link - Green LED on when wireless connection has been properly established. Green LED flashes when transmitting or receiving data.

B. Power - Green LED on when the adapter is powered on.



Free Technical Support and Warranty

Two years of free telephone technical support via web and ftp; two-year product warranty.

Product Registration

To register your Asanté product, please visit:

<http://www.asante.com/support/registration.html>

Product Specifications

Security and Performance

Encryption: 64/128/256-bit WEP, Advanced Encryption Standard (AES)

Data Rates: 802.11b: Maximum 11 Mbps. Auto-ranging: 1, 2, 5.5, 11 Mbps
802.11g: Maximum 54 Mbps. Auto-ranging: 6, 9, 12, 18, 24, 36, 48, 54 Mbps

Radio

Frequency: 2.412-2.497 GHz ISM frequency band

Channels: 1-11 for USA and Canada

Transmit Power: 15 dBm

Antenna: Integrated microstrip dual diversity

Modulation Techniques: 802.11b: CCK (11, 5.5 Mbps), DQSP (2 Mbps), DBPSX (1 Mbps)
802.11g: OFDM (54 Mbps)

Typical Coverage Area: 802.11b: Indoor up to 50 M at 11 Mbps; outdoor up to 130 M at 11Mbps
802.11g: Indoor up to 20 M at 54 Mbps; outdoor up to 50 M at 54 Mbps

Physical Characteristics

Dimensions (L x W x H): 4.7 x 2.1 x 0.2 inches (118 x 54 x 5 mm)

Weight: 0.09 lbs (0.04 Kg)

Power: 345 mA (receive) to 587 mA (transmit) typical

Operating Temperature: 32° to 104° F (0° to 40° C)

Relative Humidity: 10% to 90%, non-condensing

Standards Compliance

Network: IEEE 802.11b (up to 11 Mbps)
IEEE 802.11g (up to 54 Mbps)

Network Protocols: TCP/IP, CSMA/CA with ACK

Emissions: FCC Class B, Part 15.247

Support

Technical Support: 24-hour support via web and ftp. 2-year email and telephone support

Product Warranty: 2-year product warranty covers defects in manufacturing and workmanship

Product Specifications

Overview

Wireless Standards: 802.11g (backwards compatible with 802.11b)

Hardware Interface: 3.3 V, 32-bit CardBus Type II

Status Indicators: Link and activity LEDs

Supplied Drivers: Windows 98/98SE/Me and 2000/XP
See the Asanté website for the latest drivers

Troubleshooting Tips

In the unlikely event your network is not operating properly, follow the troubleshooting tips below.

- Check that your wireless adapter is firmly seated into PC slot.
- Confirm that your wireless router/hub/access-point is broadcasting a strong signal, and that your computer is located within the allowable range.
- Check to see if device driver has been properly installed.
- Check your computer's software. Check your operating system manual for instructions on configuring your network for file and print sharing.
- Check to see if your wireless adapter has been properly configured with the correct SSID and WEP encryption settings.

Need More Help?

Consult the Asanté website (www.asante.com) for additional troubleshooting tips and frequently asked questions (FAQs). You may also contact Asanté Technical Support during standard business hours.

Email: www.asante.com/support

Tips for Better Wireless Reception

The signal quality and range of any wireless Ethernet card is affected greatly by the environment in which they are placed. Here are some tips on getting the most out of your wireless network when using the AeroLAN wireless adapter:

- The best rule of thumb for good signal strength and quality is to have line-of-sight from the wireless router/access point to the wireless computers. This means the user should be able to see the router from the location where the wireless client is placed
- Keep the wireless router/access point in an open area away from any large objects such as cubicles, walls or other obstructions
- Keep the wireless router/access point away from any electro-magnetic emitting devices such as computers, electrical cables, televisions, and other appliances commonly found in the home or office
- Keep obstructions from the immediate vicinity of wireless card antennas
- Elevate the wireless router/access point above desktop clutter and low to mid-level obstructions, such as furniture
- Rotate the wireless router/access point and computers until the best signal strength is achieved
- The number of walls windows, doorways and other building structures will reduce the range of the wireless signal. Place the wireless router/access point in the path of least resistance through these structures for the best signal quality to the wireless workstations
- The type of walls, windows, doorways or other building structures will affect the range of the wireless signal. Structures such as metal framed housed, windows containing UV protective film, and residences with multiple floors will all affect the signal quality
- Standing too close to an AeroLAN wireless adapter antenna will affect its signal strength and quality

Safety and Regulatory Compliance

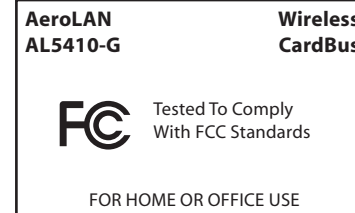
FCC Compliance Statement

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Consult the dealer or an experienced radio/TV technician for help.

Safety Advisory

1. Always turn off power to your computer before installing hardware.
2. Always practice ESD techniques when installing hardware.
3. Always use this product in a cool, dry, dust-free environment or danger of electrocution or fire may result.



FOR HOME OR OFFICE USE