



Quick Installation Guide

FriendlyNET GigaNIX 1000SX

FriendlyNET GigaNIX 1000SX-PC



Introduction

Thank you for purchasing an Asanté FriendlyNET GigaNIX Gigabit Ethernet adapter. As Asanté's third generation Gigabit Ethernet adapter, it uses leading edge innovations including 0.18 micron process technologies, advanced digital signal processing (DSP) and streamlined software design.

- One adapter for all platforms; driver support for Mac OS (GigaNIX 1000SX only), Windows and Linux
- Experience fiber Gigabit speed throuput up to 2 Gbps

This product comes in two configurations:

- FriendlyNET GigaNIX 1000SX Fiber Gigabit Ethernet adapter (64-bit PCI Bus, Mac and PC)
- FriendlyNET GigaNIX 1000SX-PC Fiber Gigabit Ethernet adapter (64-bit PCI Bus, PC only)

Packing List

Your package contains the following items:

- (1) FriendlyNET GigaNIX Gigabit Ethernet Adapter
- (1) Quick Installation Guide (this document)
- (1) CD-ROM with software, device drivers, and utilities
- (1) Release note (if applicable)

System Requirements

Macintosh Minimum Requirements (GigaNIX 1000SX only): Power Macintosh running Mac OS 9 or better with 32MB RAM; **Recommended minimum requirements for running Gigabit Ethernet:** G3 with 64M of RAM running OS 9 or better.

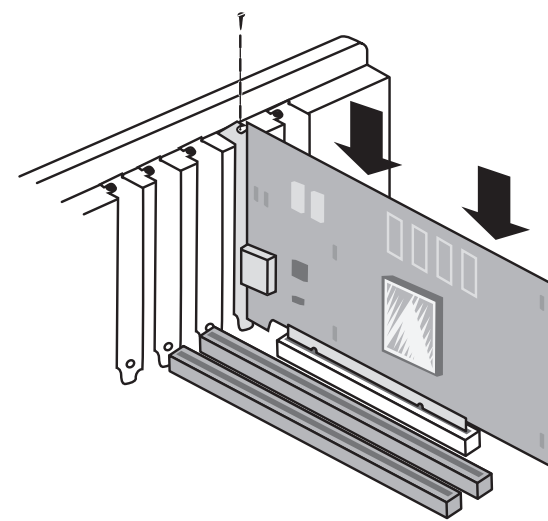
PC Requirements (all models): Minimum: Pentium 133 with 32MB RAM; **Recommended minimum requirements for running Gigabit Ethernet:** Pentium III with 64MB RAM or better. Windows 98 or later or Linux (Linux Kernel v2.4 or greater) required.

Installation

Here's how to install this adapter:

Hardware Installation

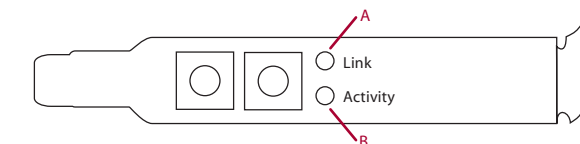
1. Turn off the power to the computer.
2. Insert the adapter into any available PCI slot. Connect the network cable from the hub, switch or router (purchased separately) to the RJ45 port of your adapter.
3. Turn on the power to your computer and allow the computer to start up to the desktop.



Software Installation

1. Insert the provided CD-ROM into your CD-ROM drive.
2. Installing the drivers from the CD-ROM:
 - a. **Windows** - follow the Hardware Installation Wizard and locate the driver on the CD-ROM.
 - b. **Macintosh** - locate the Installer in the Macintosh folder on the CD-ROM and follow the on-screen instructions.
 - c. **Linux** - Compile and install the driver according to the instructions found in the Readme.linux file located in the Linux directory on the CD-ROM.
3. Reboot the computer.

In a few moments, you will see the status of your network with these LED indicators:



- A. Link** – Green LED on when there is a valid network link.
- B. Activity** – Green LED flashes during network activity (transmit or receive).



Making Networking Simple

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Product Specifications

Connector:	Network Gigabit Ethernet 1000BaseSX, 62.5/125 multi-mode SC connector
Bus Interface:	Bus master, 32/64-bit PCI Local Bus Rev 2.1 compliant, 33/66 MHz with adaptive DMA
Status Indicators:	Link (1000 Mbps), Data (Activity)

Supplied Drivers

Mac:	Apple Mac OS 9 and OS X1, and OS X Server (GigaNIX 1000SX only)
PC:	Microsoft Windows 98, 98 Second Edition, and Me Microsoft Windows NT/2000/XP Professional/Server Linux

See the Asanté website for the latest drivers.

Environmental Range

Operating Temperature:	32-131° F (0-55° C)
Relative Humidity:	10% to 90% non-condensing

Standards Compliance

Network:	IEEE 802.3z 1000BaseSX Gigabit Ethernet
Distance:	2-550 meters with Multi-mode Fiber (50u) 2-275 meters with Multi-mode Fiber (62.5u)
Full Duplex:	Support for 2000 Mbps data rates with Auto-Negotiation and parallel detection
Virtual Network:	Virtual LAN (VLAN) tag support
Regulatory:	FCC Class B, CE Mark

Troubleshooting Tips

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

- Check the "Link" LED on the adapter to see if it is on? If not, try connecting a "known good" fiber network cable between your switch and the adapter. You should see a Link LED on your switch and your network adapter.
- Check cable distance between the nodes. The maximum operating distance from any node connected to the adapter is 260 meters if you are running 62.5/125-Micron, and 550 meters if you are running 50/125-Micron fiber cables.
- Check your computer's software. Check your operating system manual for instructions on configuring your network for file and print sharing.
- Confirm that the fiber Ethernet switch you are connected to supports Force 1000T or Auto-Negotiate connection mode. Then, navigate to the Windows Device Manager / Driver Properties / Advance Tab, and configure the adapter's Media Type to support the proper connection mode.

Need more help?

Consult the Asanté website (www.asante.com) for additional troubleshooting tips and frequently asked questions (FAQ). You may also contact Asanté Technical Support during standard business hours (7am to 6pm MST, Monday-Friday).

Email:	support@asante.com
Phone:	801-566-8991
FAX:	801-566-3787

Product Registration

To register your Asanté product, please visit:
<http://www.asante.com/support/registration.html>

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. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. 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.
4. Never insert anything other than the recommended cable into the RJ45 port or damage may result.

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

801-566-8991 (Worldwide)

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