

User' s Guide
1000Base-SX PCI Bus Gigabit Ethernet Adapter
ENW-9600SX

FCC Information

The Federal Communication Commission Radio Frequency Interference Statement includes the following paragraph:

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 communication. 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:

- ◆ Reorient or relocate the receiving antenna.
- ◆ Increase the separation between the equipment and receiver.
- ◆ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- ◆ Consult the dealer or an experienced radio / TV technician for help.

The user should not modify or change this equipment without written approval from company name. Modification could void authority to use this equipment.

For the safety reason, people should not work in a situation which RF Exposure limits are exceeded. To prevent the situation happening, people who work with the antenna should be aware of the following rules:

1. Install the antenna in a location where a distance of 6.5 cm from the antenna may be maintained.
2. While installing the antenna in the location, please do not turn on the power of wireless card.
3. While the device is working, please do not contact the antenna.

Copyright

Copyright © 1999 Planet Technology Corp., all rights reserved. No part of this publication may be reproduced, adapted, stored in a retrieval system, translated into any language, or transmitted in any form or by any means without the written permission of Planet Technology Corp.

Trademarks

Planet is trademark of Planet Technology Corp., all other trademarks throughout this manual are the property of their respective companies.

Limited Warranty

In no event will Planet be liable for any damage, including loss of data or profits, cost of cover, or other incidental, consequential or indirect damages arising from the installation, maintenance, use, performance, failure or interruption of Planet's products, whatever caused and on any theory of liability. This limitation will apply even if Planet has been advised of the possibility of such damage.

CE Mark Warning

This is a Class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

About This Manual

1000Base-SX PCI Bus Gigabit Ethernet Adapter User's Guide is published by Planet Technology Corp. in 1999. This Revision is issued in Nov. 1999.

Revision

1000Base-SX PCI Bus Gigabit Ethernet Adapter User's Guide
ENW-9600SX
Part No.: **EM-9600SX**

CONTENTS

INTRODUCTION	1
PACKAGE CONTENTS.....	2
HOW TO USE THIS GIGABIT ETHERNET ADAPTER.....	2
SPECIFICATION.....	10

INTRODUCTION

Thanks for your purchase of this Gigabit Ethernet LAN adapter. It is fully compliant with the IEEE802.3 standard. With the features like 1000Mbps Gigabit Ethernet, full/half duplex mode transmission, it offers users a high performance network.

Features

- IEEE802.3z and IEEE802.3x Standard Compliant
- 1000Mbps Gigabit data rate and full/half duplex transmission mode.
- 32-bit PCI local bus specification 2.1 Compliant
- Comprehensive software driver support for popular networking system.
- Provides on-board screening of VLAN tagged Ethernet frames.
- Duplex SC fiber connector.

Network Drivers Support

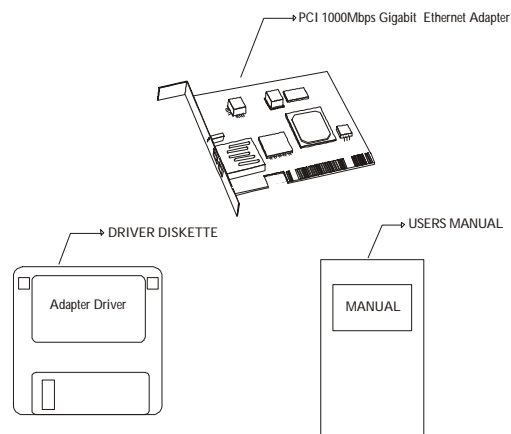
- Novell NetWare Server 3.12, 3.2 , 4.1x, 5.0 or later
- Microsoft Windows 95/98
- Microsoft Windows NT3.51, NT4.0, NT5.0
- Microsoft Windows 2000 Beta or later
- Linux 2.0, 2.2

System Requirements

This Gigabit Ethernet adapter has the following system requirements:

- At least 32MB of system memory.
- The latest BIOS.
- Microsoft Windows 95/98
- Microsoft Windows NT3.51, NT4.0, NT5.0
- Microsoft Windows 2000 Beta or later
- Novell NetWare 3.12, 3.2, 4.1x, 5.0 or later
- Linux 2.0, 2.2
- 62.5/125 μ m or 50/125 μ m multi-mode fiber optic cable

PACKAGE CONTENTS



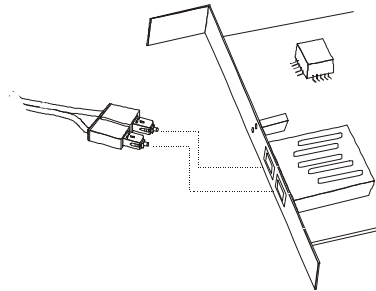
HOW TO USE THIS GIGABIT ETHERNET ADAPTER

Follow the instructions in this section for installing the Gigabit Ethernet adapter in your system.

1. Make sure your system meets the system requirements.
2. Shut down and power off your system.
3. Plug this Gigabit Ethernet adapter into your system's PCI slot
4. Connecting the network cables.

Multi-mode Fiber	62.5/125 μm	50/125 μm
Operating Distance	2 to 260 meters	2 to 550 meters

Connect one end of the cable to the Gigabit Ethernet adapter, as shown in below.



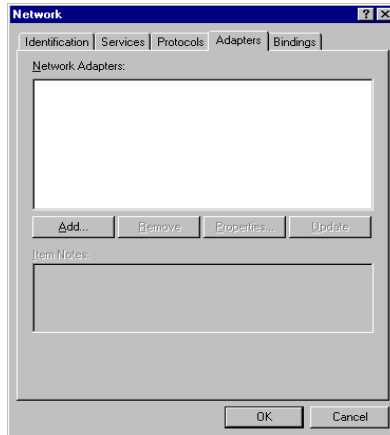
5. Turn on your system power.

In the driver diskette in which is provided by vendor, the file name is "install.txt", read this file carefully, there are more detail information.

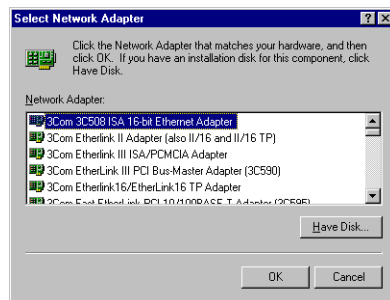
Windows NT 4.0 installation procedure

Installing the Windows NT 4.0 NDIS4 Device Driver

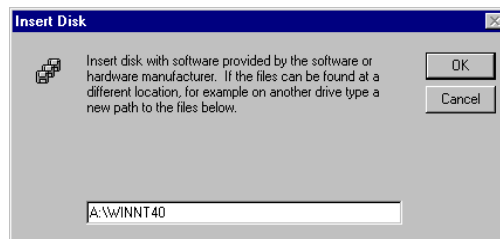
1. Users' system must meet the minimum system requirement, or the driver installation may be fail.
2. Make sure your Windows NT4.0 desktop had been install Service Packet 3 (or later) and you have Network Administrator privileges to install the network driver.
3. Login the Windows NT4.0 OS.
4. Clicks the Network icon on the Control Panel menu.
5. Clicks "Adapter" item and select "Add.?" button.



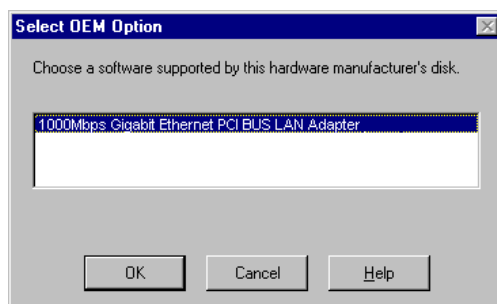
6. Clicks "Have Disk..": button to use the driver diskette provided by vendor.



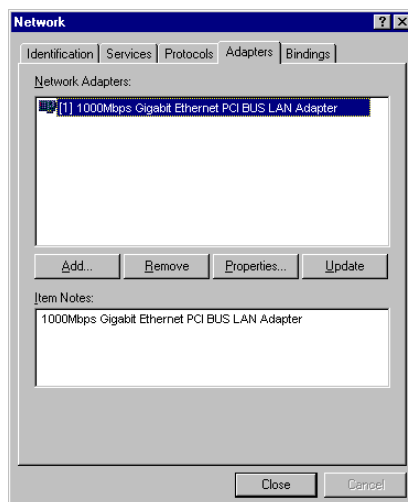
7. Type a correct path for the Gigabit Adapter and click "OK".



8. The system will copy some of files. Users may need to prepare the Windows NT4.0 CD. And the system will successfully install the Gigabit adapter driver.
9. After copy the driver, the screen will show up the Gigabit adapter model name and then click “OK”.



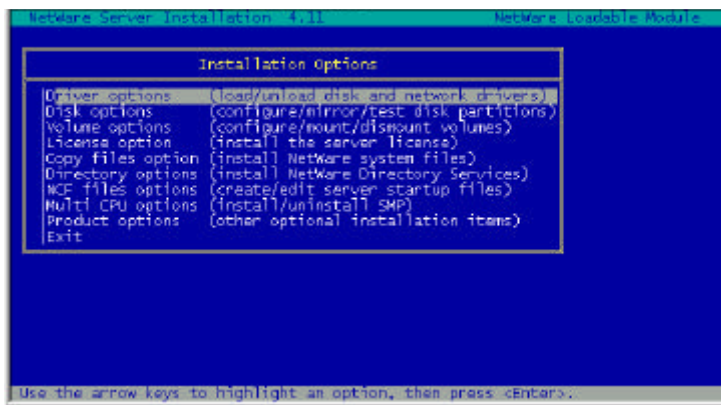
10. On the Adapter icon, select the Gigabit adapter and then configure the network environment.
11. Once configuration is done, click “Close”.



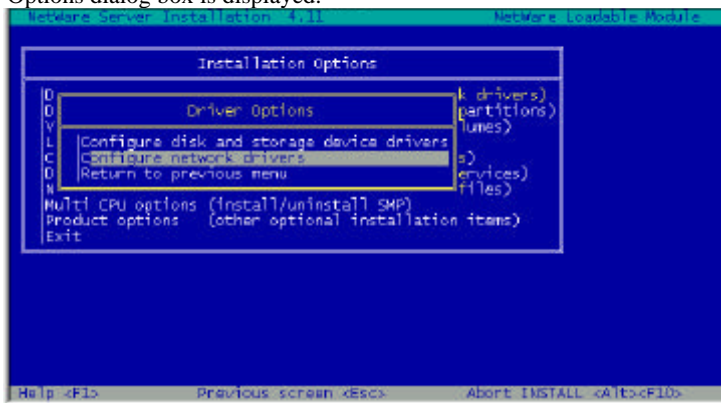
12. The system will ask you to shutdown and reboot the system or not? Click “Yes” button to shutdown and reboot the system.

NetWare 4.11 ODI Device Driver installation

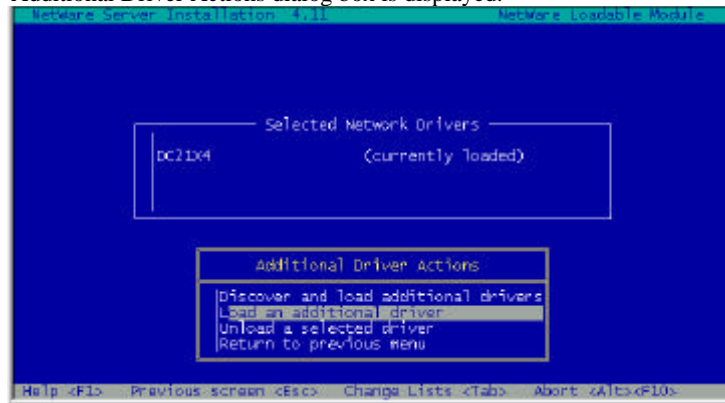
1. After users had plugged the Gigabit adapter into the system, make sure the system match the minim system requirement.
2. Power on system and reboot into NetWare 4.11 console prompt. At the NetWare console prompt enter the command “load install” to start the install utility. The Installation Options dialog box is displayed.



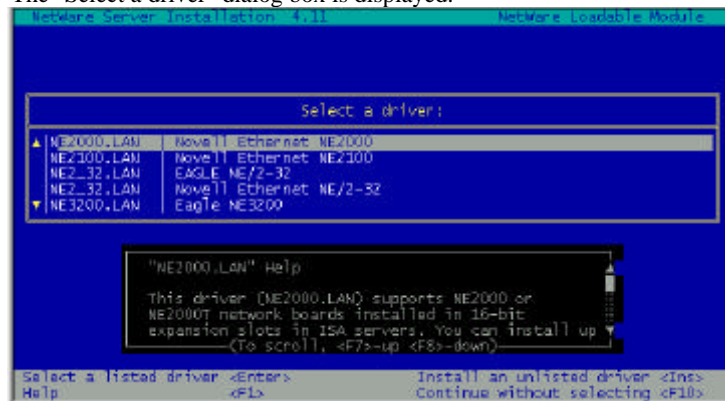
3. Select the “Driver Options” menu item and press enter. The Driver Options dialog box is displayed.



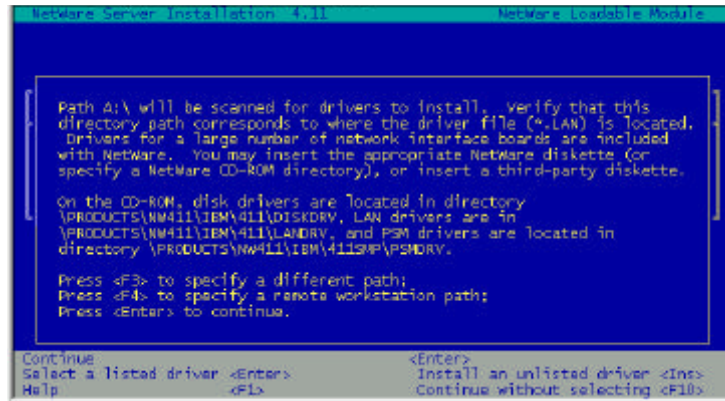
4. Select the “Configure Network Drivers” menu item and press enter. The Additional Driver Actions dialog box is displayed.



5. Insert the driver diskette that support by vendor and select a driver.
6. Select the Load an additional driver menu item option and press enter. The “Select a driver” dialog box is displayed.

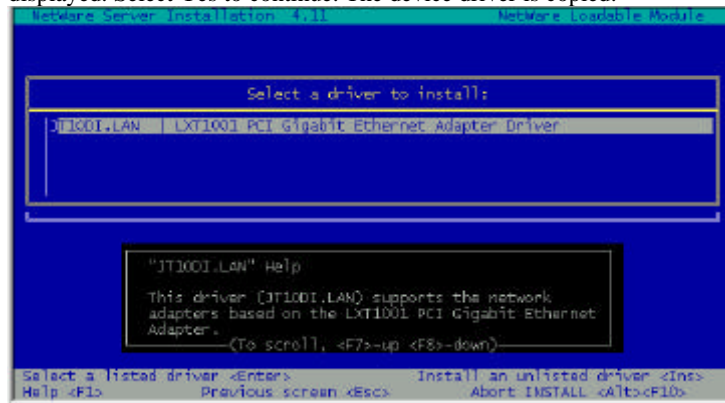


7. Press the “Ins” key to “install an unlisted driver”.

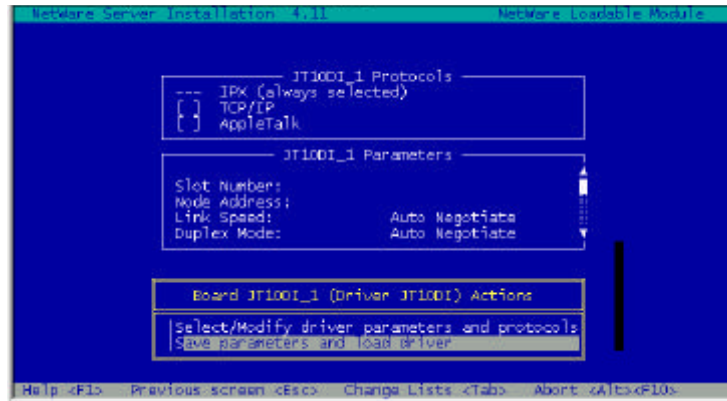


8. Specify the path for the drivers.

10. Press “enter” to select the JT10DI.LAN from the Select a driver to install dialog box. A message asking if you want to copy the driver is displayed. Select Yes to continue. The device driver is copied.



11. Configure the driver parameters and protocols. If you are not sure what values are required for your network, contact your network administrator.



12. .Select the Save Parameters and Load Driver option and press enter to continue.
13. .Select No when asked if you want to load additional drivers
14. .On the Additional Driver Actions dialog box, select Return to previous menu and press Enter to continue
15. . On the Driver Options dialog box, select Return to previous menu and press enter to continue
16. On the Install Options dialog box, select Exit to return to the NetWare console prompt.

LED Indicators

Figure 1 shows two indicators, which indicate the presence of situation Link and Data status.

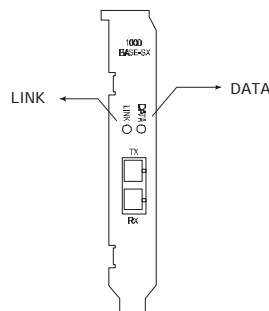


Figure 1 LED indicators

	LINK	DATA
ON/BLINK	* Link up is a green light.	*Blinking in green means data packet being transmitted or received.
OFF	*Power off. *Link down.	*Power off. * No data packet being transmitted or received.

Table 1. Status of the indicators

SPECIFICATION

ITEM	DESCRIPTION
Bus Interface	PCI-bus specifications Rev 2.1
Network Standard	*IEEE802.3z for 1000Mbps Ethernet *IEEE802.3x for full-duplex operation
Cable/ Connector	*Duplex SC fiber connector *62.5/125-micron multi-mode fiber *50/125-micron multi-mode fiber
Data Rate	1000Mbps
Power	6.5W
Environment	*Temperature Operating: 0°C J to 40°C J *Storage: -20°C J to +70°C J *Humidity Operating: 10% to 80% RH *Storage: 5% to 90% RH
Emissions	FCC part 15 Class B, CE Class B

