Product Specifications

Standards	IEEE 802.3 10Base-T
	IEEE 802.3u 100Base-TX
	PCI Local Bus specification
	Rev. 2.0
System Clock	Up to 33Mhz
Data Bus Width	32-bit bus mastering PCI
I/O Address	Automatically determined by configuration space
IRQ Line	INTA, being assigned by the BIOS to a free I/O address
Full Duplex	10/20Mbps, 100/200Mbps
Interface	One RJ-45, autoconfiguration for 100Base-TX/10Base-T
Dimension	130mm x 57mm
LED indicators	Link-10Mbps, Link-100Mbps Activity
Certifications	FCC Class A, CE
ODI drivers	Novell NetWare 3.x 4.x, NetWare LAN WorkPlace, Novell LAN Analyzer
Packet drivers	FTP PC/TCP, NCSA TCP/IP
NDIS 2.0 drivers	Microsoft LAN Manager, Windows for Workgroups, DEC PATHWORKS, Sun PC-NFS, Banyan VINES
NDIS 3.0 drivers	WFW 3.11, Windows 95, Windows NT 4.0.

TE100-PCIE

FAST ETHERNET CARD

10/100Mbps PCI bus

BUS MASTERING

FULL DUPLEX

PLUG AND PLAY

USER'S GUIDE

FCC Compliance Statement

This equipment has been tested and found to comply with the limits for class A device, pursuant to Part 15 of FCC rules. These limits are designed to provide reasonable protection. 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. Operation of this equipment in a residential area is likely to cause harmful interference, in which case, the user will be required to correct the interference at the user's own expense.

CE Declaration of Conformity

This equipment complies with the requirements relating to electromagnetic compatibility, EN55022 class A for ITE and EN50082-1, the essential protection requirement of Council Directive 89/336/EEC on the approximation of the Member States relating to electromagnetic compatibility.

Trademarks

All product and brand names are trademarks and/or registered trademarks of their respective companies.

Table of Contents

Packing List

The adapter package should contain the following items:

- One 32-bit PCI Fast Ethernet adapter
- This User's guide
- One 3.5" driver diskettes

If any of these items are missing contact your reseller.

INTRODUCTION

Congratulations on your purchase of a PCI Fast Ethernet adapter. This adapter was designed and manufactured to give you years of trouble free and reliable service.

PCI Ethernet Card

The PCI Ethernet adapter is a high performance adapter compatible with version 2.0 of the PCI local bus specification and support Plug and Play (PnP) function, making it fully auto-configuration.

The adapter supports full-duplex mode. Full duplex mode can be used to obtain throughput of up to 20/200Mbps when connecting through an Ethernet switching hub. It also uses the Bus Mastering features of the PCI bus to give high performance with a low CPU load. Bus mastering adapter and other peripherals allow greatly reduced CPU utilization ratios, resulting in lower latency and better overall performance.

The Ethernet adapter includes a complete set of drivers for popular network operating systems. The optional BOOT ROM device allows the diskless workstation to be connected to the network.

Product Features

- Meets PCI Local Bus specification, Rev. 2.0
- PCI 32-bit Bus Master architecture
- IEEE 802.3u Auto-Negotiation for automatic selection of data transmission speed.
- Easy migration; single RJ-45 port for both 10Base-T and 100Base-TX
- Support Full Duplex operation on both 10Base-T and 100Base-TX
- Support 100ohm STP/UTP cables using Category 3, 4 or 5 for 10Mbps mode and category 5 for 100Mbps mode
- LED indicators for installation verification and diagnostic purpose.

State	Description
ACT/ Activity	Blinking whenever a packet is transmitted or received
Link-	Lit when there is a good connection between the workstation and the port that is connected to 10Base-T.
Link-100	Lit when there is a good connection between the workstation and the port that is connected to 100Base-TX.

INSTALLATION

Hardware Installation

1. Turn OFF the computer, unplug the power cord and open the computer case.
2. Pick a free PCI bus master expansion slot and remove the expansion slot cover. Insert the adapter into the slot until it is fully seated. Secure the adapter.
3. Replace the computer cover and connect the network cable to the newly installed network adapter. Reconnect the computer's power cord and plug it into the power outlet.

Configuration

The Fast Ethernet adapter is automatically configured when you power-on computer. In certain computers, however, you must modify BIOS by entering CMOS SETUP utility to enable "PCI Device" and map INTA to an appropriate address. Please refer to the system documentation for details on configuration the PCI SYSTEM BIOS.

Driver Installation

Before you connect the adapter to the network, you have to install the network driver first. The driver for each networking operating system is under a separate directory. A HELPME.EXE file under root directory lists the information and detailed installation procedure of all the available drivers.

Boot ROM Installation

The optional Boot ROM device allows you to connect a diskless workstation to the network. Perform the following steps to install your Boot ROM device:

1. Insert the Boot ROM into the socket on the adapter.
2. Refer to the installation procedure provided by networking operating system.