

KE-PCI/T, KE-PCI

PCI Ethernet Card

10Mbps
Full Duplex
Plug and Play

User's Guide

FCC Warning

This equipment has been tested and found to comply with the regulations 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 when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with this user's guide, may cause harmful interference to radio communications. 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 his own expense.

CE Mark Warning

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

注意

この装置は、情報処理装置等電波障害自主規制協議会(VCCI)の基準に基づく第一種情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

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Introduction

Congratulations on your purchase of a PCI 10Mbps 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 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 up to 20Mbps when the twisted-pair port connecting through an Ethernet switching hub. This feature not only increases the channel bandwidth from 10Mbps to 20Mbps but also avoids the performance-degrading problem due to the characteristic of the Ethernet CSMA/CD protocol.

The Ethernet adapter includes a complete set of drivers for popular Network Operating System. 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 architecture
- Compliant to IEEE 802.3 10BASE-2 and 10BASE-T standards.
- Supports PCI Plug and Play configuration.
- Supports Full-Duplex Ethernet function to double channel bandwidth.
- Automatic port selection between 10BASE-2 interface(BNC) and 10BASE-T interface(RJ-45)
- Support 100ohm STP/UTP cables using Category 3, 4 or 5
- On-board socket for remote Boot ROM.
- LED Indicators

One LED on the bracket provides LINK indicators.

State	Description
On	Normal data packet are received or Link integrity pulse is detected
Off	* When no twisted-pair connected * No power source into hub * Twisted-pair is faulty * Non-10BASE-T device connected at the other end of the twisted pair * A twisted-pair wire that exceeds recommended length

Packing List

The adapter package should contain the following items:

- One 32-bit PCI Ethernet adapter
- This User's guide
- One 3.5" driver diskette
- One T-connector (for BNC port only)

If any of these items are missing contact your reseller.

Installation

Hardware Installation

1. Turn OFF the computer, unplug the power cord and open the computer case.
2. Pick a free PCI 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 adapter. Reconnect the computer's power cord and plug it into the power outlet.

Configuration

This Ethernet adapter is automatically configured when you power-on computer. In certain computer, 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 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 driver.

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.

Product Specifications

Standards	IEEE 10BASE-2, 10BASE-T PCI Local Bus specification Rev.2.1
Wiring connector	BNC and RJ-45
Bus Interface	32-bit PCI bus
I/O address	Automatically determined by configuration space
IRQ Line	INTA, being assigned by the BIOS to free I/O address
Operating Temperature	0 °C – 40 °C (32 °F – 104 °F)
Humidity	10% to 90% non-condensing
Emissions	FCC Class B CE Mark