

ALN-201 Series

PCI Ethernet Adapter Card

User Guide



P/N 49.80316.001



Federal Communications Commission Frequency Interference Statement

This equipment generates, uses and radiate radio frequency energy. If not installed and used in accordance with the instructions in this manual, may cause interference to radio communications. This equipment has been tested and found to comply with the limits for a Class A computing device pursuant to Part 15 of the FCC rules, which are designed to provide reasonable protection against radio interference when operated in a commercial environment. .

CE Declaration of Conformity:

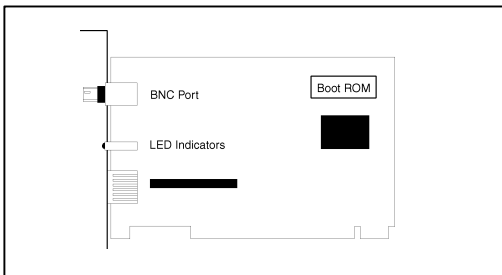
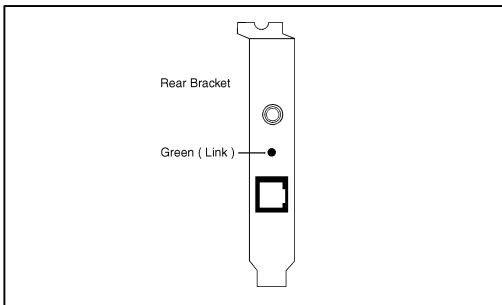
This equipment complies with the requirements relating to electromagnetic compatibility, EN 55022 class A for ITE and EN 50082-1. This meets the essential protection requirements of the European Council Directive 89/336/EEC on the approximation of the laws of the Member States relating to electromagnetic compatibility.

Package Contents

- . One Adapter Card
- . This User Guide
- . One Driver Diskette
- . One T-type Connector (for BNC connection)

1. Product Overview

This series card is an Ethernet interface adapter with Peripheral Component Interface (PCI) local bus. It is fully compatible with the IEEE 802.3 CSMA/CD(Carrier Sense Multiple Access with Collision Detection) 10Mbps standard and includes two media interfaces, twisted-pair (RJ-45 connector, 10Base-T) and thin Ethernet cable (BNC connector, 10Base2).



There is one LED on the bracket to indicate the link status.

LED color : Green

LED "ON" : the 10Base-T link connection is successful.

LED "OFF" : the 10Base-T link is NOT successful

Remote boot ROM socket: there is a ROM socket on this adapter card to support remote boot ROM.

2. Quick Installing Guide

Follow these steps to install the card:

1. Power off PC & remove cover.
2. Plug in adapter card & connect cable to BNC or RJ-45.
3. Replace the cover & Power on PC
4. Check the system's BIOS setup. Configure the appropriate PCI setting.
5. Reset PC & configure your network system.

3. Connecting Network Cables

Connecting a Twisted-Pair Cable

Insert one end of the twisted-pair cable into the RJ-45 connector on this adapter card. Orient the cable terminal jack correctly and push it into the connector until you hear a click.

Note: The other end of the twisted-pair cable has to be connected to an Ethernet hub or switch

Connecting a 10Base-2 Thin Ethernet Coaxial Cable

1. Connect thin Ethernet cables to both ends of a BNC T-type connector. For both cables, press the T-type connector and cable connector together, then twist the cable connector clockwise to lock the connector.
2. Attach the T-type connector to the BNC connector of this adapter card. Press the T-type connector and BNC connector together, then twist the T-type connector clockwise to lock the connector.
3. If your computer is located at the end of a 10Base2 segment, connect the thin Ethernet cable to one end of the T-type connector and attach a 50 Ohm terminator to the other end of the T-type connector.

4. Configuration & Diagnostics

With this PCI adapter card, you do not need to configure the card manually, unless you want to:

- . Enable/Disable Full-duplex
- . Enable/Disable Boot ROM

The program file "ACERSET.EXE" in driver diskette can be run to do the above configurations & the diagnostics of this adapter card.

5. Network Drivers

The driver diskette contains all the software driver programs supported by the adapter. The drivers for different network operating systems are found in separate sub-directories. See "Readme.txt" file for detailed description.

Driver	Network System
ODI	NetWare DOS and OS/2 client, NetWare server 3.x and 4.x
NDIS 2.X	MS LAN Manager, OS/2 LAN server and client, PATHWORK, Banyan Vines, LANtastic
NDIS 3.X	WFW3.11, Windows 95, Windows NT 3.5
NDIS 4.0	Windows 95 osr2, Windows NT 4.0
Packet Driver	FTP PC/TCP
UNIX Driver	SCO UNIX
Boot ROM Driver	Netware RPL, Windows NT 3.5, OS/2 LAN server v3.0,v4.0, LAN manager 2.X

6. Specifications

Item	Specification
System Interface	PCI local bus
I/O address	Automatically configured by the system
Interrupt channel	BIOS setting
Boot ROM address	BIOS setting
Boot ROM size	16Kbyte
Buffer size	16Kbyte packet buffer
Power requirement	5W at +5V
Transmission protocol	IEEE 802.3 CSMA/CD protocol
Data rate	10 Mbits/sec
Software compatibility	NE2000 compatible
Two media interfaces available	- 10Base2 Thin Ethernet, BNC connector - 10Base-T Twisted-pair Ethernet, RJ-45 connector
Thin Ethernet (BNC connector, RG-58 cable)	Max. segment length: 185 meters Min. distance between two Nodes : 0.5 meters Max. number of nodes per segment: 30
Twisted-pair Ethernet (RJ-45 connector, UTP-3/UTP-5 cable)	Max cable length to hub: 100 meters.

Trademarks

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