

ALN-325 Series

Acer PCI Adapter Card

*10/100 Base-Tx Fast Ethernet
PCI Adapter Card*

User's Guide



Package Contents

Carefully unpack the contents of the package and verify them against the checklist below.

Full Package:

- *10/100 Base-TX Fast Ethernet PCI adapter*
- *Driver Diskette*
- *User's Guide*
- *Wake-on-LAN (WOL) Cable*

There are 2 models in this series of adapter cards:

- *ALN-325: With full package*
- *ALN-325c: Without Wake-On-LAN cable, others are the same as ALN-325*

Introduction

The 10/100 Based-TX Fast Ethernet Adatper card is a 32-bit 10/100 Mbps Ethernet network interface card for PCI local bus-compliant PCs. The auto-negotiation feature makes it possible to combine one common type of Ethernet cabling-an RJ-45 connector for twisted-pair cabling that can be used for both 10 Mbps and 100 Mbps connection. Extensive driver for commonly used network operating systems are also provided.

Features

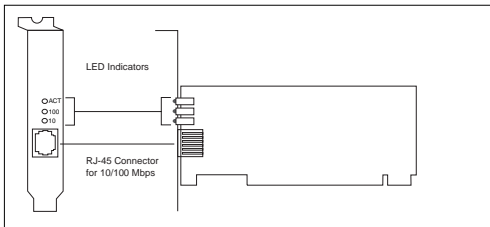
- Conforms to the Ethernet IEEE 802.3u and IEEE 802.3 standard
- Compatible with PCI Local Bus Revision 2.1 specification
- IEEE 802.3u Auto-Negotiation for automatic speed selection
- Supports Full-Duplex Operation
- Provides LED indicators for monitoring network conditions

Software Drivers Support

Driver	Network System
ODI	DOS ODI, and Client 32 for DOS; Client 32 for Windows 95; Novell NetWare server 3.x, 4.x, 5.0.
NDIS	MS LAN Manager for DOS and OS/2, LANTASTIC, IBM LAN Server 2.x, 3.x, 4.0; LAN Requester, Warp Server, MS WFW 3.1, 3.11; Windows 95/98, Windows NT 3.5x, 4.0, 5.0.
Unix	SCO Unix
Packet	FTP PC/TCP

Hardware Description

The 10/100 Fast Ethernet PCI Adatper has an RJ-45 connector, and three LED indicators:



LAN Connectors

The adapter supports IEEE 802.3 10BASE-T and 100BASE-TX. It provides an RJ-45 connector for twisted-pair cabling. Data transfer speed is automatically determined by the adapter.

LED indicators

Activity LED Indicator (ACT)

Color: Green

Function: Incoming network traffic indicator

This LED flashes to indicate the presence of network packets coming through the connected port.

Link 100 Status LED Indicator (100)

Color: Green

Function: Link status indicator for 100Mbps port

This LED lights up to indicate a successful 100Mbps network connection.

Link 10 Status LED Indicator (10)

Color: Green

Function: Link status indicator for 10 Mbps port

This LED lights up to indicate a successful 10Mbps Network Connection.

Driver Installation

The Readme.TXT in the root directory is the listing of driver programs in this driver diskette. The drivers for different network operating systems are contained in \Txt.directory. Refer to *.TXT file for detail driver instructions.

Windows 98 Installation

1. When you plug the ALN-325 in the mother board and power on the Windows 98, the 'Add New Hardware Wizard' window will promote and says that

The wizard search for new driver for:

PCI Ethernet Controller

2. In the 'Add New Hardware Wizard' window, click 'Next' then it will ask you 'What do you want Windows to do?' Choose the item that Display a list of all the drivers in a specific location, so you can select the

driver you want.

Click 'Next'.

3. And select 'Network Adapters' for the device, then click 'Next'. It will promote a 'Select device' window.
4. Click 'Have Disk' button.
In the 'Install From Disk' window, put the driver disk in the floppy drive and enter the driver path i.e. 'a:\w98&2000' in combo list and click 'OK'. It will show 'AcerLAN ALN-325 10/100 Base-TX Fast Ethernet adapter' in the Models field of 'Select Device' window. Click 'OK'.
5. There will show 'A:\W98&2000\ALN325.INF' in the Location of driver field for the device 'AcerLAN ALN-325 10/100 Base-TX Fast Ethernet Adapter' in the 'Add New Hardware Wizard' window. Click 'Next'.
6. Specify the path of the driver files i.e. a:\W98&2000, then the Windows will copy the necessary files for the driver and system files. Click 'Finish'.
7. Select the appropriate Connection type (default is Auto-Negotiation). Click 'OK'.
8. Install necessary files from Windows 98 CD for the network operation.
9. When the driver installation is completed, restart Windows 98.

Troubleshooting

If the adapter fails the diagnostic test, it may not be defective; other reasons may cause the card to fail the test. This section provides tips to isolate and solve these common problems.

If the problem remains unsolved, contact your local dealer. Write a description of the problem, including what problems occurred, when they occurred, duration of the problem, the product number, serial number, hardware, software and DOS version you are using.

Symptoms 1

LNK LED indicator doesn't light after host PC is powered on

Possible Causes

Cabling connection problem

Suggestions

1. Check for loose cabling
2. Check for wrong pin assignments on the UTP cable
3. check the network condition

Symptoms 2

Adapter failure; cannot log into the network

Possible Causes

1. Bad cable connection
2. Host PC slot defective

Suggestions

1. Check cabling for loose connection or wrong pin assignments on the cable.
2. Check if the adapter is properly seated onto the computer slot.
3. Install the adapter in another PC, or install it on another slot. If the problem is eliminated, then the original PC slot is defective. Contact your PC vendor for assistance.

Regulatory Standards

VCCI Class2 Compliance

電波障害自主規制について

この装置は、第二種情報装置（住宅地域又はその隣接した地域において使用されるべき情報装置）で、住宅地域での電波障害防止を目的とした情報処理装置等、電波障害自主規制協議会(VCCI)基準に適合しております。

しかし、本装置をラジオ、テレビジョン受信機に近接してご使用になると、電波障害の原因となることがあります。

取扱説明書に従って正しい取り扱いをして下さい。

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 B 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 B 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.

Specifications

System Configuration

Standards Conformance: IEEE 802.3 10BASE-T, and IEEE 802.3u
100BASE-TX

Half/Full-Duplex Operation: 10 Mbps and 100 Mbps

Hub-to-Workstation Distance: 100m max.

Cable Connections: RJ-45 (10BASE-T) Cat. 5 UTP
RJ-45 (100BASE-TX.) Cat. 5 UTP

End-User Devices Supported: PCI local bus-compliant PCs

EMI Certification: FCC Part 15 Class B, VCCI Class 2, CE Mark, C-tick

Operating Environment

Temperature: 0°C ~ 50°C

Humidity: 10% to 90% (Non-condensing)

Product Limited Warranty

Acer Netxus Incorporated (ANI) warrants its product to be free from defects in materials and workmanship, under normal use and service, for the following lengths of time from the date of purchase from ANI or its Authorized Resellers.

Network adapter card Limited Lifetime

All products with limited lifetime warranty have a standard five-year warranty. This warranty does not cover the product if it is damaged by abuse, accident, misuse, improper installation, or improper testing. If a product does not operate as warranted during the applicable warranty period, ANI shall, at its option and expense, either repair the defective product or part returned to ANI, or deliver to customer an equivalent product or part to replace the defective item. Definitely, all products that are replaced will become the property of ANI. Replacement products may be new or reconditioned. Any replacement or repaired product or part has a ninety days warranty or the remainder of the initial warranty period, whichever is longer. ANI shall not be responsible for any software, firmware, information, or memory data of customer contained in, stored on, or integrated with any products returned to ANI pursuant to any warranty. Before you obtain warranty service, you must request an RMA (Return Materials Authorization) number by calling, faxing or writing ANI's Customer Service Department at the numbers listed below. You must use the original container (or the equivalent) and pay the shipping charge.

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