

Introduction

The Allied Telesyn AT-2500TX Fast Ethernet adapter card offers a reliable and cost-effective means of connecting a computer to a 100Mbps Fast Ethernet or 10Mbps Ethernet network and the internet. This PCI-bus product provides true plug-and-play connection and excellent performance in either 10Mbps or 100Mbps network segments.

Package Checklist

The Allied Telesyn AT-2500TX includes:

- 1 AT-2500TX Fast Ethernet Adapter Card
- 1 CardAssistant driver disk
- 1 Quick Installation Guide

System Requirements

The AT-2500TX Fast Ethernet adapter card requires the following basic host PC features:

- A host PC that supports PCI-bus peripheral cards
- 16 MB of RAM
- A 100Mbps Fast Ethernet or 10Mbps Ethernet copper segment
- 1 standard twisted-pair cable (Category 3 or above for 10Mbps operation; Category 5 for 100Mbps operation), 100 m maximum length

Installation—Windows 2000 / Windows 9x/ Windows ME

IMPORTANT—DO NOT INSERT THE ADAPTER CARD UNTIL YOU HAVE RUN WINPREP (Step 1, below).

If you installed the adapter card without running WINPREP—and booted your computer—see the box “If you inserted the card BEFORE running WINPREP. . .”

These instructions assume one of the following Windows operating systems: 95, 98, 2000 or ME, is installed according to your computer’s documentation.

1 Run WINPREP

Insert the CardAssistant disk. Run *WinPrep.exe* by clicking on *Start*, selecting *Run*, and typing *a:\winprep.exe* and clicking *OK*. WINPREP automates the installation process, preparing Windows for the adapter card by copying driver files to your hard drive. When WINPREP finishes copying files to the proper directories, choose *Done* and reboot the computer.

2 Install the Adapter Card

WARNING—High voltages inside the computer present a safety hazard. Make sure the power is off before removing the cover. This LAN adapter card is for use only with IBM or compatible UL-listed personal computers that have installation instructions detailing installation of PCI peripherals. Installation should be performed

with precautions to prevent damage to static-sensitive components.

Follow your computer’s instruction manual for specific information on installing peripheral devices in your computer.

Once the adapter card is seated in a PCI slot and the computer’s cover is back on, plug in the cable, turn on the power, and reboot into Windows.

Important cable considerations: Copper—The AT-2500TX is for use with 10Base-T or 100Base-TX LAN segments, using an 8-pin (4-pair) RJ45 connector for the network cable. Be sure that all cabling used with the AT-2500TX in a 10Base-T segment is of Category 3, 4, or 5, and that all cabling used in a 100Base-TX segment is of Category 5.

If you inserted the card <i>before</i> running <i>WinPrep...</i>	
You must run WINPREP, remove default drivers, and install new drivers:	
Windows 9x/ME	
a.	Insert the AT-2500 Card Assistant disk and run WinPrep as described in step 1, making sure you select <i>Done</i> at the final WinPrep screen.
b.	On the Windows desktop, right-click <i>My Computer</i> and select <i>Properties</i> .
c.	Select <i>Device Manager</i> tab.
d.	Open <i>Network Adapters</i> .
e.	Highlight the driver name that begins <i>RealTek</i> or <i>Allied Telesyn</i> . Select <i>Remove</i> . If the adapter is not present in <i>Network Adapters</i> , check <i>Other Devices</i> in the <i>Device Manager</i> . If <i>PCI Ethernet Controller</i> is listed, remove it.
f.	After this has completed, reboot the system.
Windows 2000	
a.	Insert the AT-2500 Card Assistant disk and run WinPrep as described in step 1, making sure you select <i>Done</i> at the final WinPrep screen.
b.	On the Windows desktop, right-click <i>My Computer</i> and select <i>Properties</i> .
c.	Select the <i>Hardware</i> tab.
d.	Click the <i>Device Manager</i> button.
e.	Open <i>Network Adapters</i> .
f.	Highlight the driver name that begins <i>RealTek</i> or <i>Allied Telesyn</i> . Right-mouse click and select <i>Uninstall</i> .
g.	In <i>Device Manager</i> , select <i>Action</i> from the menu bar, select <i>Scan for Hardware Changes</i> . Windows will load the proper drivers. A <i>Digital Signature Not Found</i> box may appear, select <i>Yes</i> and continue with the installation.

Installation—Windows NT, Versions 3.51 and 4.0 / Windows for Workgroups, Version 3.11

IMPORTANT—Step-by-step instructions for each of these Windows versions are found on the CardAssistant disk in the INFO directory.

The standard Windows installation procedure is to insert the adapter card in a PCI slot according to *Step 2, Install the Adapter Card*. Once the adapter card is seated in a PCI slot and the computer’s cover is back on, plug in the cable, turn on the power, and boot into Windows.

The Allied Telesyn CardAssistant disk provides drivers for Windows NT versions 3.51 and 4.0, and version 3.11 of Windows for Workgroups. If you don’t know your Windows version, open the Microsoft Windows System Control Panel. Pick the driver you need from the following table so that you can point Windows to the right directory on the CardAssistant disk during installation.

Operating System	Release	Driver	Location
Windows NT	3.51	NDIS3	\ndis3
	4.0	NDIS4	\
Windows for Workgroups	3.11	NDIS3 / NDIS2	\

LED Functions

The AT-2500TX Fast Ethernet adapter card has three LEDs.

Label	Function	Description
100	100 Mbps	Connection established at 100 Mbps
10	10 Mbps	Connection established at 10 Mbps
ACT	Activity	Read/write activity on the segment

Electrical Safety and Installation Requirements

U.S. Federal Communications Commission

Radiated Energy

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 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 the one which the receiver is connected to
 - Consult the dealer or an experienced radio/TV technician for help
- Changes and modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

Note: In order to maintain compliance with the limits of a Class B digital device, Allied Telesyn requires that you use a quality interface cable when connecting to this device. Changes or modifications not expressly approved by Allied Telesyn could void the user’s authority to operate this equipment.

Industry Canada

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.
Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

European Community (EC) Electromagnetic Compatibility Directive

This equipment has been tested and found to comply with the protection requirements of European Emission Standards EN55022 Class B/EN61000-3-2 and the Generic European Immunity Standard EN50082-1 that calls for the following basic standards:

- a) IEC 801-2 Electrostatic Discharge
 - b) IEC 801-3 RF Immunity
 - c) IEC 801-4 Transient Burst
- Power requirement 1A@5V

**AT-2500TX
Fast Ethernet
Network
Adapter Card**

**Q U I C K
I N S T A L L
G U I D E**

Warranty

Allied Telesyn warrants to the original owner that the product delivered in this package will be free from defects in material and workmanship for the lifetime of the product. There will be a minimal charge to replace consumable components, such as fuses, power transformers, and mechanical cooling devices. The warranty does not cover the product if it is damaged in the process of being installed. Allied Telesyn recommends that you have the company from whom you purchased this product install it.

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