

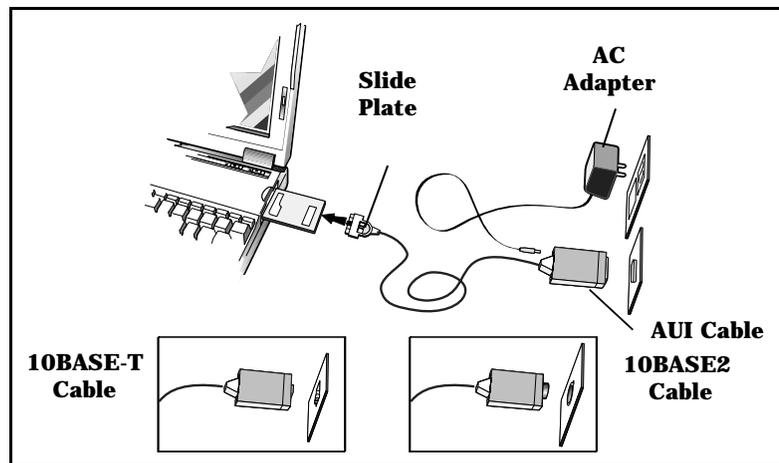
Texas Instruments Ethernet Card Installation Instructions

These instructions provide information on the installation of optional Ethernet PCMCIA cards. Instructions cover installation in both Windows for Workgroups and Novell environments.

Connecting an Ethernet Card

Ethernet PCMCIA cards may be connected using the following cables:

- 10BASE-T
- 10BASE2
- AUI



To connect an Ethernet card, complete the following steps:

1. Turn off power to the computer.

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2. Insert the Ethernet card in the PCMCIA slot. Ensure that the card is facing up.
 3. Insert Ethernet connector into the Ethernet card as shown in the figure on page 1.
 4. If you are using a 10BASE2 connector, connect the coaxial connector on the Ethernet Media Access Module (MAM) to the coaxial cable. Attach the other end of the coaxial cable to the coaxial T-connector. Further information on this connection is provided in the *Ethernet PCMCIA Adapter II Installation and Testing Instructions, Version 2.0* that came with your PCMCIA card.
 5. Push the slide plate forward to lock the connector in place.
 6. Your Ethernet connection may require some additional power depending on how far you are physically located from your hub. In the event that your Ethernet card does not appear to be working, plug the supplied AC adapter into the Ethernet connector. To plug in the AC adapter, refer to the figure on page 1.
 8. Turn power on to the computer.
 9. Complete software configuration by referring to *Installing for a Windows for Workgroups Environment* or *Installing for a Netware Environment* later in this guide.

Further instructions for 10BASE-T and 10BASE2 connections are also available in the *Ethernet PCMCIA Adapter II Installation and Testing Instructions, Version 2.0* that came with your PCMCIA card.

Note: If your CONFIG.SYS file contains the line

```
DEVICE=C:\PCPLUS\PCMRMAN.EXE
```

remark out the line by placing a semicolon (;) before the line.

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If you are using a PCMCIA modem with your PCMCIA Ethernet card, edit the PCMCIA driver line in the CONFIG.SYS file to read

```
DEVICE=C:\PCPLUS\PCMSCD.EXE /COM3
```

This configures the PCMCIA modem to COM3.

System Setup

Some instructions call for you to select options from the System Setup screen. This screen appears automatically when you reboot your computer.

Installing for a Windows for Workgroups Environment

Before installing a PCMCIA card in this environment, back up your Windows for Workgroups diskettes. To do this, select Option #5 (System Maintenance and Backup) from the System Setup screen. To install an Ethernet card for use in a Windows for Workgroups environment, complete the following steps:

Installing the Card

After completing steps in *Connecting an Ethernet Card*, you are asked to turn the computer on. When prompted by the System Setup screen, select Option #1 (Standard Windows for Workgroups). If you are using any type of docking system with your computer, select Option #2 (Docking System Windows for Workgroups).

The system continues initializing. Verify that the PCMCIA drivers load without error and that the network LED is illuminated on the cable.

Configuring Windows for Workgroups

To configure your PCMCIA card for use with Windows for Workgroups 3.11, complete the following steps:

1. Enter the Windows for Workgroups Environment.
2. Double-click on the Network Setup icon within the Network group.
3. Click on the Networks... button.
4. Ensure that the Install Microsoft Windows Network button is enabled.
5. Click on OK.
6. Click on the Drivers... button.
7. Click on the Add Adapter... button.
8. Verify that the Unlisted or Updated Network Adapter is highlighted.
9. Click on OK.

Installing Drivers

To install drivers for the Ethernet card, complete the following steps:

1. Insert the Ethernet Drivers diskette into drive A: and click OK.
2. Verify that Credit Card Adapter for Ethernet appears in the Network Adapter box.
3. Click on OK to accept.
4. Verify that Credit Card Adapter for Ethernet (NDIS2) and Microsoft NETBEUI appear in the Network Drivers dialog box. Ensure that Credit Card Adapter for Ethernet (NDIS2) is highlighted.

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5. Verify that Microsoft NETBEUI appears in the Default Protocol Box.
 6. Click on the Setup... button.
 7. Select the following:
 - Interrupt 3
 - Base I/O Port 0x300
 - Base Memory Address 0xD4000
 - Driver Type at Real Mode NDIS Driver
 8. Click on OK to accept the settings.
 9. Click on the Close button in the Network Drivers window.
 10. Click on OK in the Network Setup Window.
 11. Enter your user name, workgroup, and computer name in the Microsoft Windows Network Names window. Check with your network administrator if you are unsure of what to enter.
 12. If prompted to replace the files for Microsoft Windows Network (version 3.11), click on Yes to All.
 13. Insert Windows for Workgroups Backup Disk #7 if prompted for the updated or vendor-provided file called NETDDE.EXE.
 14. Type A:\ in the path entry field and click on OK.
 15. If prompted for WINCHAT.EXE file, insert the Windows for Workgroups Backup Disk #7.
 16. Type A:\ in the path entry field and click on OK.

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17. If prompted for WINMETER.EXE, insert the Windows for Workgroups Backup Disk #8 (ignore any message that says to insert disk #7).
 18. Type A:\ in the path entry field and click on OK.
 19. If prompted for the PCMNICCS.DOS file, insert the Ethernet Drivers diskette into drive A.
 20. Type A:\ in the path entry field and click on OK.
 21. Insert Windows for Workgroups Disk #8 if prompted for the updated or vendor-provided file called NETWATCH.HLP.
 22. Type A:\ in the path entry field and click on OK.

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Note: If a message appears indicating that multiple configurations were detected by the network setup, click on OK.

23. Click on OK at the message that indicates the SYSTEM.INI has been updated.
24. Remove Windows for Workgroups Disk #8 from Drive A.
25. Click on the Continue button when prompted to restart the computer.
26. Double-click on Super Shutdown to exit Windows.

Updating DOS Files

To update DOS files for the Ethernet card, complete the following steps:

1. Change the EMM386 device driver line in the CONFIG.SYS file to read:

```
DEVICE=C:\WINDOWS\EMM386.EXE NOEMS  
X=C800-C8FF X=DOOO-DFFF
```

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2. Edit the AUTOEXEC.BAT file and add the following line to the top of the file:

C:\Windows\Net Start

3. Save the file and exit to DOS.

Logging onto the System

To Log into the network, complete the following steps:

1. Reboot the system.
2. When prompted by the System Setup screen, select Option #1 (Standard Windows for Workgroups). If you are using any type of docking system with your computer, select Option #2 (Docking System Windows for Workgroups).

The system continues initializing.

3. Verify that NET START executes without error on power up.

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Note: If the system beeps when NETSTART is executed, a conflict exists with the IRQ, port or address.

4. Enter Windows for Workgroups.
5. Type your logon name and click on OK.
You are prompted to create a password.
6. Type in a new password, then retype to confirm.
7. Verify that you are logged into the Windows for Workgroups network by trying to access network files.

Installing for a Netware Environment

For these procedures to work, you must have Novell already installed on your hard drive. To install an Ethernet card for use in a Netware environment, complete the following steps:

Installing the Card

After completing steps in Connecting an Ethernet Card, you are asked to turn the computer on. When prompted by the System Setup screen, select Option #1 (Standard Windows for Workgroups). If you are using any type of docking system with your computer, select Option #2 (Docking System Windows for Workgroups).

The system continues initializing. Verify that the PCMCIA drivers load without error and that the network LED is illuminated on the cable.

Updating DOS Files

To update DOS files for the Ethernet card, complete the following steps:

1. Edit the CONFIG.SYS and modify the EMM386 device driver line to read:

```
DEVICE=C:\WINDOWS\EMM386.EXE NOEMS X=C800-C8FF  
X=D000-DFFF
```

2. Ensure that LASTDRIVE=E (or any letter between E and Y if E is already in use).
3. Save the changes to the CONFIG.SYS file.
4. Add the following line to the file NET.CFG in your C:\NETWARE directory:

```
Link driver PCMDMCS
```

5. Save the file NET.CFG.

Install Drivers

1. Insert the Ethernet drivers diskette into Drive A.
2. Type A:\INSTALL.
3. Verify that Perform New Installation or Update Default Settings is highlighted and press ENTER.
4. Verify that C: is the default drive and press ENTER.
5. Press ENTER to bypass the information on EMM386.
6. Select the following:
 - Novell Netware for the network environment
 - IRQ 3 as the Interrupt Level
 - Autoset for the IO Base Address
 - D4000 for the Memory Base Address
 - Ethernet II for the Ethernet Frame Type (or whatever Frame type you are using on your Novell server)
7. Press F7 to begin installation.
8. Verify the directory that you are installing files to the C:\NETWARE directory.
9. Verify that the Novell driver installation is completed without error by ensuring no error messages are generated.
10. Press Enter to return to the main menu.
11. Press F3 to exit installation.

12. Remove the Ethernet Drivers diskette from drive A.

13. Ensure that the following files are now in the C:\NETWARE directory:

NET.CFG
PCMDMCS.COM
NET.C00

14. The following files are included with your Novell software and must be copied to the C:\NETWARE directory:

LSL.COM
IPXODI.COM
NETX.EXE

15. Reboot the computer.

16. Run the following drivers in order:

LSL
PCMDMCS
IPXODI
NETX