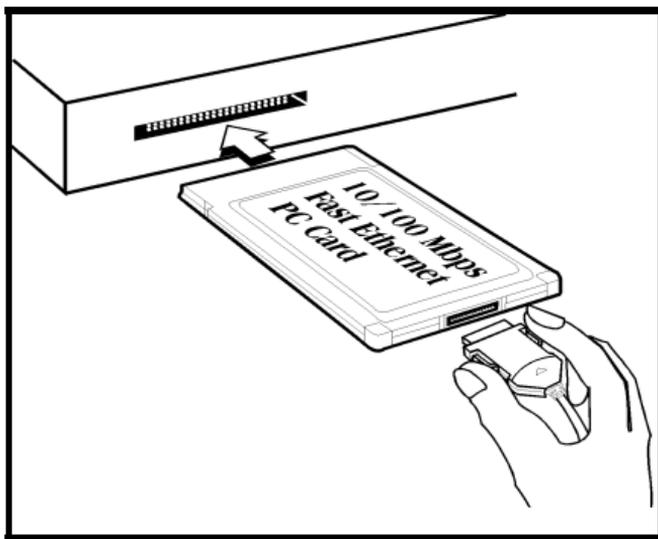# 10/100Mbps Dual Speeds
Fast Ethernet PC Card

## Quick Installation Guide

HARDWARE INSTALLATION

1. Locate the PCMCIA slot of your system.

2. Align the PCMCIA Fast Ethernet Attached Port
    PC Card toward the PCMCIA slot. Push evenly
    and steadily until it is seated.

3. Connect the attached RJ-45 port with an
    Ethernet Hub/Switch.

4. You are now ready to continue the software
    installation.

LED Indicators

- 100M/FULL: grows orange at 100 Mbps, green at FULL duplex.

- LINK/RX: grows green when connected to the network, blinks green when receiving datum.

- POWER/TX: grows green when power is on, blinks green when transmitting datum.
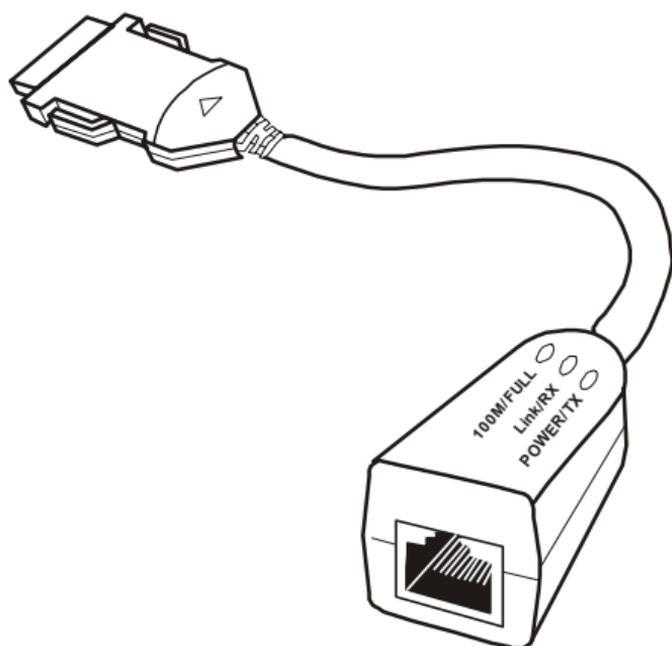
SOFTWARE INSTALLATION

Windows NT 3.51

1. In Main Group of NT 3.51, open *Control Panel* and click on *Network* icon.

2. In *Network Settings* dialog box, push *Add Adapter*... button. The *Add Network Adapter* dialog box will appear.

3. Choose <Other> requires disk from manufacturer from the network adapter card list and press *Continue.*.

4. When *Windows NT* prompts for manufacturer disk, insert driver diskette and press **OK** until the *Network Setting Change* dialog box appears.

5. Restart now to have the card take effect.

Windows NT 4.0

▪ Assumed that the Network Services already installed in the NT 4.0 system.

1. Insert the Fast Ethernet PC Card into any one of PC Card Slots in system.
2. Power up Windows NT 4.0
3. Open *My Computer*
4. Open *Control Panel*
5. Run the *Network*
6. Select Adapters page.
7. Press *Add* to add network adapter.
8. Press *Have Disk* button.
9. Insert the driver disk into drive A:
10. Specify the path to *A:* and press **OK**

11. A dialog box will appear to adjust the driver's settings. The resources assignment to the adapter must be unique in the system.
12. Press **OK** when all setting are completed.
13. Press **Close** to complete network setting

Windows 95 Installation

- *1*.Assumed that the drivers of PC Card slot are well installed. The *System Icon* in the *Control Panel* can report on its functionality. Apart from above mentioned, any questions on this layer need to be taken up with the computer's manufacturer.

- *2*.Insert the PC Card into the slot. In *New Hardware Found* dialog box, select *Driver from disk provided by hardware manufacturer*.
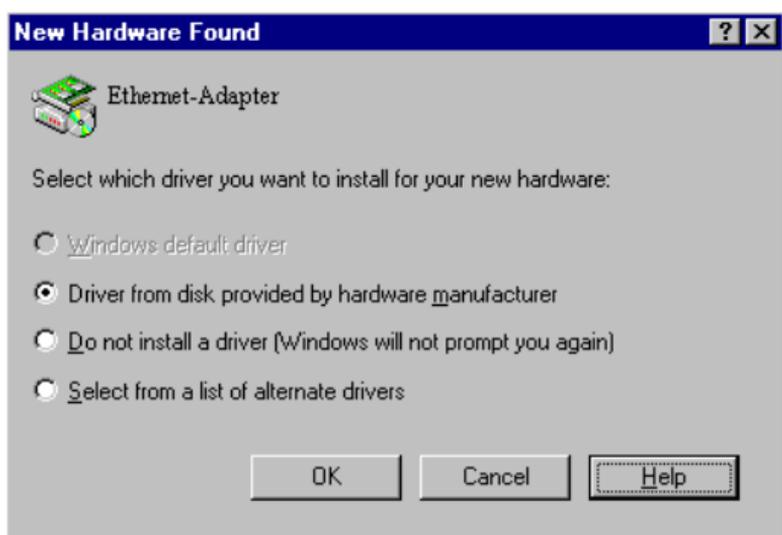
- *3*.Please input the path, *A:* and insert driver diskette. The driver will be installed and you may be asked for the original Windows 95 CD/disks.

- *4*.For the first time installation, please click *Network* icon in *Control Panel* to add Protocols, Client and Service if you needed.

▪ *5*.Reboot the machine and the card will be fully functional.

Windows 98 Installation

*1.*Assumed that the drivers of PC Card slot are well installed. The *System Icon* in the *Control Panel* can report on its functionality. Apart from above mentioned, any questions on this layer need to be taken up with the computer's manufacturer.

*2.*Insert the PC Card into the slot. In *New Hardware Found* dialog box, select *Driver from disk provided by hardware manufacturer*.

*3.*Windows will prompt a *ADD NEW HARDWARE WIZARD* dialog box, then press Next.

*4.*Then Windows will prompt a *ADD NEW HARDWARE WIZARD* dialog box. In this time, select **Search for the …** and press **Next**.

5. Windows will prompt a ***ADD NEW HARDWARE WIZARD*** dialog box. In this time, select **Floppy disk drives** and please insert driver diskette. Then press **Next**, the driver will be installed and you may be asked for the original Windows 98 CD/disks.

6. For the first time installation, please click ***Network*** icon in ***Control Panel*** to add Protocols, Client and Service if you needed.

7. Reboot the machine and the card will be fully functional.
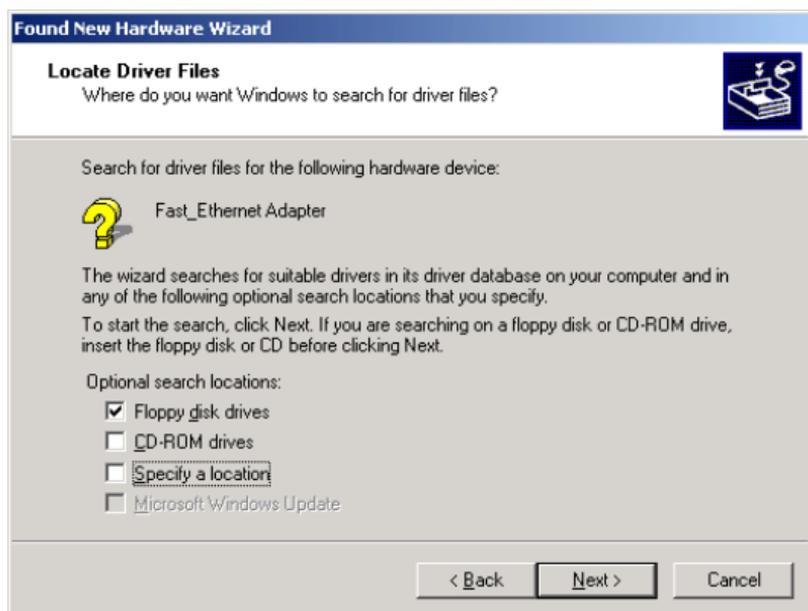
Windows 2000 Installation

1. Assumed that the drivers of PC Card slot are well installed. The *System Icon* in the *Control Panel* can report on its functionality. Apart from above mentioned, any questions on this layer need to be taken up with the computer's manufacturer.

2. Insert the PC Card into the slot, and wait for the install wizard.

3. Windows will prompt a *Found New Hardware Wizard* dialog box, then press Next.

4. Then Windows will prompt a *Install Hardware Device Drivers* dialog box. In this time, select **Search for a suitable driver for my device (recommanded)** and press **Next**.

5. Windows will prompt a *Locate Driver Files* dialog box. In this time, select **Floppy disk drives** and please insert driver diskette. Then press **Next**, the driver will be installed and you may be asked for the original Windows 2000 CD/disk.

6. For the first time installation, please click *Network* icon in *Control Panel* to add Protocols, Client and Service if you needed.

7. Reboot the machine and the card will be fully functional.

Installation for Windows Workgroup 3.11

NDIS3 Driver for Workgroup

1. Click on "**Network Setup**" icon in "**Network**" program group.

2. In "**Network Settings**" dialog box, click mouse on "**Networks**..." button to select the network operating system.

3. In "**Networks**" dialog box, check the radio button before "**Install Microsoft Windows Network**" and "**No Additional Network**". Press OK to go back to the Network Settings screen.

4. Click on "**Drivers**..." button to select network driver.

5. In "**Network Drivers**" dialog box, press "**Add Adapter...**"button to enter "**Add Network Adapter**" dialog box. Select "**Unlisted or Updated Network Adapter**" and press **OK**.

6. Windows will prompt an "**Install Driver**" dialog box. In this time, put the software diskette into floppy drive and press **OK**.

7. Select the "**Enhanced mode NDIS3 for**...." string and press **OK**.

8. Follow Windows instructions to complete the

installation and exit Windows.

9. Run INSTALL.EXE from driver diskette's root directory.

10. Select "**Windows for Workgroup**" in "**Network Operating Syste**m" screen and enter "**Driver Install**" screen.

11. If current settings are acceptable, select "**Start Installation**" and go to step 13. Otherwise, select "**Modify Parameters**" to make settings changed.

12. Move cursor to focus on the setting you want to make change and press Enter to select a fit value. When the configuration is accepted, press Enter on the **OK** field to exit the screen. Back to step 11.

13. Select "**NDIS Server (LAN Manager,...)**" as the network server you will attach to and press Enter key.

14. Installation program starts copying related files from diskette to the destination directory and modifies AUTOEXEC.BAT and NET.CFG under user's agreement.

15. Installation is complete. Please reboot the computer to have the driver take effect.

NDIS2 Driver for Workgroup

1. Click on "**Network Setup**" icon in "**Network**" program group.

2. In "**Network Settings**" dialog box, click mouse on "**Networks**..." button to select the network operating system.

3. In Networks dialog box, check the radio button before "**Install Microsoft Windows Network**" and "**No Additional Network**". Press **OK** to go back the Network Settings screen.

4. Click on "**Drivers**..." button to select network driver.

5. In "**Network Drivers**" dialog box, press "**Add Adapter**..." button to enter "**Add Network Adapter**" dialog box. Select "**Unlisted or Updated Network Adapter**" and press OK.

6. Windows will prompt an "**Install Driver**" dialog box. In this time, put the software diskette into floppy drive and press **OK**.

7. Select the "**Real mode NDIS2 for**...." string and press **OK**.

8. Follow Windows instructions to complete the installation and exit Windows.

9. Run INSTALL.EXE from driver diskette's root directory.

10. Select "**Windows for Workgroup**" in "**Network Operating System**" screen and enter "**Driver Install**" screen.

11. If current settings are acceptable, select "**Start Installation**" and go to step 13. Otherwise, select "**Modify Parameters**" to make settings changed.

12. Move cursor to focus on the setting you want to make change and press Enter to select a fit value. When the configuration is accepted, press Enter on the OK field to exit the screen.

Back to step 11.

13. Select "**NDIS Server(LAN Manager,**...)" as the network server you will attach to and press Enter key.

14. Installation program starts copying related files from diskette to the destination directory and modifies AUTOEXEC.BAT and NET.CFG under user's agreement.

15. Installation is complete. Please reboot the computer to have the driver take effect.

ODI Driver for Workgroup

1. Click on "**Network Setup**" icon in "**Network**" program group to install network driver.

2. In Network Settings dialog box, click on "**Networks**..." button to select the network operating system.

3. In "**Networks**" dialog box, check the radio button before "**Install Microsoft Windows Network**" and "**Others:**" Then select one of Netware Shell, 3.X or 4.0 and above, and press OK to go back the "Network Settings" screen.

4. Click on "**Drivers**..." button to select network driver.

5. In Network Drivers dialog box, press "**Add Adapter...**"button to enter "**Add Network Adapter**" dialog box. Select "**Unlisted or Updated Network Adapter**" and press OK.

6. Windows will prompt an "**Install Driver**" dialog box. In this time, put the software diskette into floppy drive and press OK.

7. Select the "**Netware ODI Driver** ...." string and press OK.

8. Follow Windows instructions to complete the installation and exit Windows.

9. Run INSTALL.EXE from driver diskette's root directory.

10. Select "**Windows for Workgroup**" in "**Network Operating System**" screen and enter "**Driver Install**" screen.

11. If current settings are acceptable, select "**Start Installation**" and go to step 13. Otherwise, select "**Modify Parameters**" to make settings changed.

12. Move cursor to focus on the setting you want to make change and press Enter to select a fit value. When the configuration is accepted, press Enter on the OK field to exit the screen. Back to step 11.

13. Select "**Novell Netware Server**" as the network server you will attach to and press Enter key.

14. Installation program starts copying related files from diskette to the destination directory and modifies AUTOEXEC.BAT and NET.CFG under user's agreement.

15. Installation is complete. Please reboot the computer to have the driver take effect.

Novell Netware

Menu Installation

1. Run **INSTALL.EXE** from driver diskette's root

directory.

2. Select "**Netware 3.x or 4.x workstation**" in "**Network Operating System**" screen and enter "**Driver Install**" screen.

3. If current settings are acceptable, select "**Start Installation**" and go to step 5. Otherwise, select "**Modify Parameters**" to make settings changed.

4. Move cursor to focus on the setting you want to make change and press Enter to select a fit value. When the configuration is acceptable, press Enter on the OK field to exit the screen. Back to step 3.

5. Installation program starts copying related files from diskette to the destination directory and modifies **AUTOEXEC.BAT** and **NET.CFG** under user's agreement.

6. Installation is complete. Please reboot the computer to make your Netware connection.

Manual Installation

1. Copy the **A:\NETWARE\LE100ODI.COM** file from diskette to the Netware client directory containing Novell's **LSL.COM, IPXODI.COM** and **NETx.COM** files.

2. Follow Novell's instructions on using ODI programs. You can substitute the **LE100ODI.COM** whenever a reference is made to the Hardware Specific Module.

A typical ODI workstation startup batch file includes:

>**LSL**	; Link Support Layer Module provided by Novell
>**LE100ODI**	; Hardware Specific Module
>**IPXODI**	; IPX Protocol Stack Module provided by Novell
>**NETx**	; DOS Shell Support Module provided by Novell

>**LOGIN**

Novell Client Installation

1. Run the NetWare Client Install v1.21-

   - Get the 4 Client disks from the network administrator or

   - Run the **\NWCLIENT\INSTALL.EXE** in a previous installation

2. A message appears on the screen asking you whether or not you want the program to perform modifications on your **AUTOEXEC.BAT** and **CONFIG.SYS** files.

3. Answer "**Yes**". The program then modifies your **AUTOEXEC.BAT** and **CONFIG.SYS** files accordingly and creates backup copies.

4. The following message appears:

   -Install support for MS Windows? (Y/N):

5. Answer accordingly and provide a path if necessary.

6. The program displays the following:

Configure your workstation for

**backup by a NetWare server running
software such as SBACKUP? (Y/N): No**

7. Answer accordingly and provide a path if
   necessary.

8. Select a driver for your network board.

9. From the driver list, select "**Other Drivers**".

10. Go to the Insert the Driver Disk dialog box and
    specify the path where the ODI driver and INS
    files reside. For example: **C:\NETWARE.**

11. Press Enter and select the target ODI driver.

12. Specify the driver's optional settings.

13. Press F10 to save to new configuration.

14. Highlight "Install press here" and press <Enter>
    to install.

15. The program copies the necessary files for
    NetWare Client. Continue the installation
    procedure to completion. Upon completion, a
    new **NET.CFG** file will be created in your DOS
    directory. Typically, this file contains the
    following lines:

    Link Driver LE100ODI

      PORT 320

      INT 11

      #FRAME Ethernet_802.3

      FRAME Ethernet_802.2

              :

Edit **STARTNET.BAT** for the ODI workstation

performs the following:

SET NWLANGUAGE=ENGLISH

--Set NetWare 4.X to English language

LSL	--Link Support Layer Module provided by Novell
LE100ODI	--Hardware Specific Module
IPXODI	--IPX Protocol Stack Module provided by Novell
VLM	--DOS Support Module provided by Novell
F:	--Change to connected device
LOGIN .ADMIN	--Login to file server as user ADMIN

16. Run STARTNET to access the Novell network.

MS LAN Manager

1. View the *README.TXT* on the installation diskette in the \NDIS2 directory. Before installing the drivers, please ensure that the *Microsoft LAN Manager* has been installed in the target path. The installation program will check and modify the *PROTOCOL.INI* file for LAN Manager.

2. Run *INSTALL.EXE* from root directory of driver diskette.

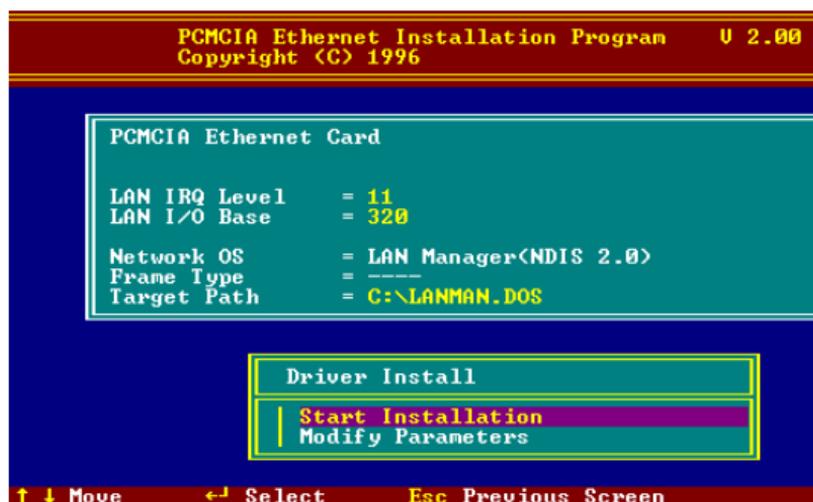*3*. Select *Microsoft LAN Manager* item on the menu screen.

4. If current settings are acceptable, select *Start*

Installation and go to step 6. Otherwise, select *Modify Parameters* to make setting changed.

5.Move cursor to each field you want to make a change and press <Enter> to select a fit value. When the configuration are set completely, press <Enter> on the **OK** field to exit the screen and go back to step 4.

6.Installation program starts to copy related files from driver diskette to the destination directory and modifies CONFIG.SYS and PROTOCOL.INI under user′s agreement.

7. Please reboot the computer to load driver and start LAN Manager in batch.

- **Example of PROTOCOL.INI: used by LAN Manager**

    [PROTMAN]

    DRIVERNAME = PROTMAN$

    DYNAMIC = YES

    PRIORITY = NETBEUI

    [NETBEUI_XIF]

```
Drivername = netbeui$
SESSIONS = 6
NCBS = 12
BINDINGS = "LE120NDS_NIF"
LANABASE = 0

[LE120NDS_NIF]
    ; protocol.ini session for LAN driver.
    IOADDRESS = 0x320
    INTERRUPT = 11
    DRIVERNAME = LE100NDS$
```

Packet Driver

- *1*.Run INSTALL.EXE from root directory of driver diskette.
- *2*.Select **Packet Driver** item on the menu screen.
- *3*.If current settings are acceptable, select **Start Installation** and go to step 5. Otherwise, select **Modify Parameters** to make setting changed.
- *4*.Move cursor to focus on the field you want to make a change and press <Enter> to select a fit value. When the configuration are set completely, press <Enter> on the **OK** field to exit the screen and go back to step 3.
- *5*.Installation program starts to copy related files from diskette to the destination directory and modifies AUTOEXEC.BAT under user´s agreement.
- *6*.Please reboot the computer to load the driver.