

Parts Required

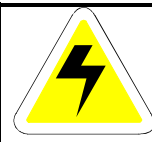
This kit, P/N 0351-1644-01, provides components, software, and instructions for installing an Ethernet ISA LAN adapter into a network-based POS/EM Value system. Install this kit only in combination with a token ring LAN adapter; the Ethernet LAN adapter cannot stand alone.

Description	Qty.	Part No.
ISA Adapter, Intel EtherExpress PRO/10+ with Intel Configuration and Driver diskette, Release 3.0	1	2025-0259-01
Telxon Ethernet Wireless Option version 1.0 diskette	1	0701-2819-0100
Installation instructions (this document)	1	8000-2620-01

The software diskettes used in this installation contain licensed materials from Sensormatic Electronics Corporation and Intel Corporation.

Installing the Network Adapter Card

Before installing an Ethernet ISA LAN adapter card into an 80586 or later POS/EM Value host computer, perform the procedures in **Pre-Configuring an Ethernet ISA LAN Adapter Card** at the end of this document.



WARNING - SHOCK HAZARD

Disconnect the POS/EM Value System's AC power before starting to install this equipment. Failure to do so could shock you and may damage the computer or the adapter card.



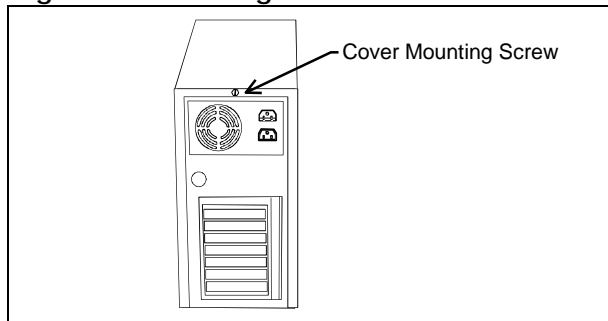
WARNING - STATIC SENSITIVE COMPONENTS

Follow proper handling procedures to prevent component failure.

1. Turn off the POS/EM Value host computer and unplug the power cord. Remove anything on top of the host computer case. Detach cables as necessary to allow access to the back of the computer system. Place attached equipment out of the way. Be sure to note how everything is attached so you can later reconnect the system.

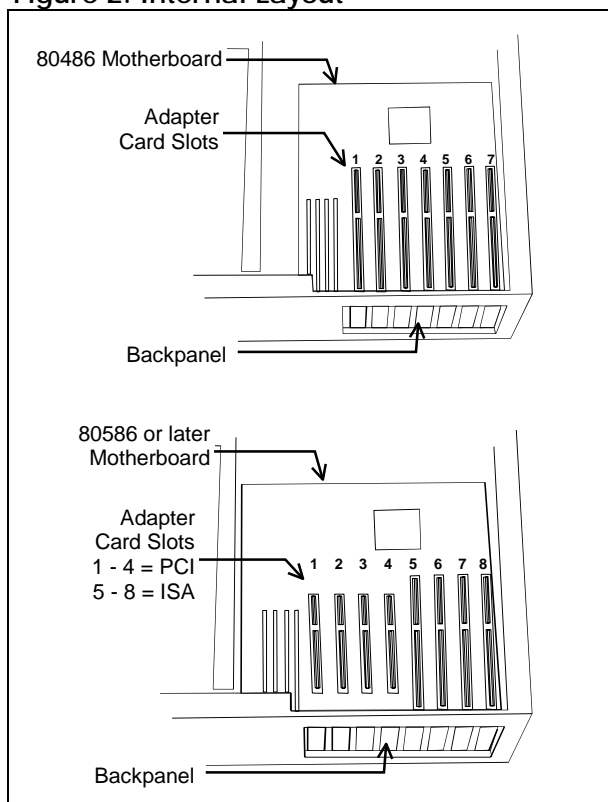
2. Looking at the back of the computer, remove the top thumb screw (Figure 1) that holds the cover in place. Remove the computer cover and place it and the thumb screw out of the way.

Figure 1. Removing the Cover



3. Turn the opened computer on its side so the card area is facing up. Locate the motherboard, adapter card slots, and backpanel (Figure 2).

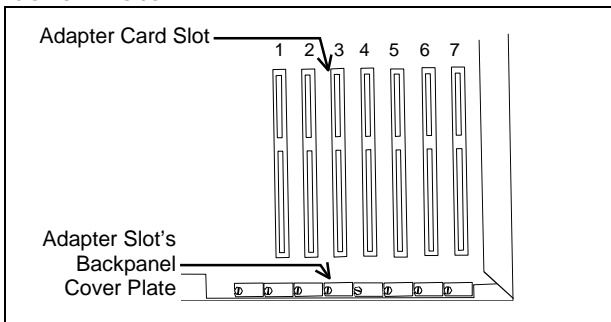
Figure 2. Internal Layout



Note: The adapter slot specified in the following steps is for an 80486 motherboard. For an 80586 or later motherboard, install the card into any unused ISA adapter slot (see Figure 2 for slot layout). If necessary, remove the modem card to provide the space for the LAN adapter card and type **rem** and a space to the beginning of the line in the autoexec.bat file that starts “chostl...” and then restart the system.

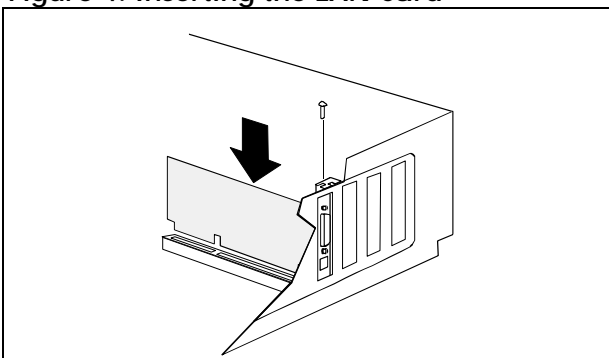
- Find slot 3's card slot and backpanel cover plate (Figure 3).

Figure 3. Locating Adapter Card Slot and Cover Plate



- Remove the screw that attaches slot's cover plate to the backpanel. Keep the screw for use in a later step. Lift the cover plate out of the computer and set it aside.
- Remove the LAN adapter card from its protective bag. Note the angle bracket on one end of the card. Its shape is similar to the cover plate just removed from the computer. You can hold the card by this bracket, which fits into the cover plate opening.
- Align the LAN card parallel to the other cards in the computer with its angle bracket fitting into slot's cover plate opening. Move the card down until it aligns with slot's motherboard connector. Press down firmly on the top of the card until it is fully seated into the connector (Figure 4).

Figure 4. Inserting the LAN Card



- Using the screw from the cover plate, tighten the angle bracket down until it is flush against the top of the backpanel. Do not over-tighten the screw.
- Connect the customer's Ethernet attachment cable to the card's connector. Choose the connector that matches the customer's wiring.
- Place the host computer upright and attach the cover using the thumb screw which you removed earlier. Connect the power cord, video monitor cable, and any other cables that you removed earlier.
- Turn on the power switch and allow the POS/EM Value system to restart. After re-booting, the modem driver software screen appears for a few seconds.
- Next, the system displays two successive screens of the Sensormatic copyright notice, pausing a few seconds for each screen. Press **Ctrl+C** at any time during the copyright display to interrupt the loading process. Then press **Y** in response to the system message:

```
Terminate batch job (Y/N)?
```

After pressing **Y**, a DOS prompt appears:

```
c:\>
```

You can now install the LAN adapter software.

If the copyright notice does not appear during system startup, check to make sure the POS/EM application software has been installed.

Installing the LAN Adapter Software

Note: If the token ring software has not been installed, install it first using the procedures in the POS/EM Value Installation and Service Manual, 8000-0958-01; then install the Ethernet software.

Note: This software installation is applicable for POS/EM Value systems version 1.40 or later.

The Ethernet software installation process provides screen messages to direct each step of the operation. These steps are summarized below:

1. Insert the Telxon Ethernet Wireless Option 1.0 diskette into the POS/EM Value host computer's floppy drive.
2. Type **A:INSTALL** and press **Enter** to begin the installation process. An introductory screen will appear, followed by an instruction to:

```
Press Ctrl+C
Press any key to continue . . .
```

Press **Enter** or any key to continue.

To terminate the installation, press **Ctrl+C**.

3. The following message appears on the screen.

```
Install PCI Type Adapter (Yes/No)
```

Press **N**, press **Enter**. The following message appears:

```
Install ISA Adapter
Please remove the Option Diskette and
Insert Intel EtherExpress PRO/10+ ISA LAN
Adapter
Configuration and Driver Disk (SW Release 3.0)

Press any key to continue . . .
```

4. Remove the Option diskette and insert the Intel driver diskette. Then press **Enter** or any key to continue. The Main Menu will appear.

```

Main Menu
Automatic setup
Change adapter configuration
View adapter configuration
Test adapter
Install network drivers
Save/load adapter
configuration
View help files
```

Exit SoftSet2

5. Use the arrow keys to move the cursor to **Change adapter configuration** and press **Enter**. The following screen appears.

```

Change adapter
I/O Address          320-32Fh
Interrupt             IRQ 9 (or
11)
Board connector type TPE
connector
Force 8-bit operation No
Flash chip address   Disabled
Remote boot program  None
```

Advanced Option Menu

6. Confirm the following settings:

I/O Address = 320-32Fh
Interrupt = IRQ 9 (or 11)

7. Use the arrow keys to move the cursor to **Advanced Option Menu** and press **Enter**. The following menu appears.

```

Advanced Option
Concurrent processing Enabled
Plug and play                Disabled
Duplex                       Half duplex
Power management             disabled
```

8. Confirm the settings shown on the **Advanced Option Menu** screen.
9. Press **Esc** twice to return to the **Main Menu**.
10. Press **F10** to accept the configuration, then move the cursor to **Exit SoftSet2** and press **Enter**.
11. Press **N** or choose **No** when the system asks if you want to restart the system now.
12. After the ISA drivers are installed, the following message appears:

```
Remove Floppy Disk and Replace with the
Telxon Ethernet Wireless Option 1.0 Disk

Press any key to continue . . .
```

Remove the Intel diskette and insert the Option diskette. Then press **Enter** or any key to continue.

13. The program installs the common files and then displays the following message:

```
Is This a PV 1.40.1 or 1.40.2 system (Yes/No)
```

If this is a POS/EM Value version 1.40.1 or 1.40.2 System, press **Y** and then press **Enter**. For any other version, press **N** and then press **Enter**. The following message appears.

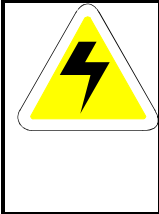

```
CONFIGURATION COMPLETED. REMOVE
OPTIONS DISKETTE FROM FLOPPY DRIVE
THEN REBOOT THE POS/EM VALUE SYSTEM
```

14. Remove the diskette and press **Ctrl+Alt+Delete** to restart the system.

Pre-Configuring an Ethernet ISA LAN Adapter Card

Use this procedure to pre-configure an Intel Ethernet ISA LAN adapter card for use in an 80586 or later POS/EM Value host computer.

A POS/EM Value 80486 host computer is required for this procedure.

	<p>WARNING - SHOCK HAZARD Disconnect AC power to the POS/EM Value System before starting to install this equipment. Failure to do so could shock you and may damage the computer or the adapter card.</p>
	<p>WARNING - STATIC SENSITIVE COMPONENTS Follow proper handling procedures to prevent component failure.</p>

1. Turn off the POS/EM Value 80486 host computer and unplug the power cord.
2. Remove any cables necessary to allow access to the back of the computer. Be sure to note how everything is attached so you can later reconnect the system.
3. Remove the computer's cover by first removing the cover mounting thumb screw (Figure 1) and then lifting off the cover.
4. Turn the open computer on its side so the card area is facing up. Locate the motherboard adapter slots and the backpanel (Figure 2).
5. Locate an unused slot, and remove the screw that attaches the slot's cover plate to the backpanel (Figure 3). Remove the cover plate. Keep the screw and cover plate for use in later steps.
6. Remove the LAN adapter card from its protective bag.
7. Align the LAN adapter card with the motherboard connector slot and the backpanel opening, and press firmly on the top edge of the card until it is seated into the connector (Figure 4).
8. Use the cover plate's backpanel screw to secure the LAN adapter card in place. Do not overtighten the screw.

9. Stand the computer up and connect the power cord and video monitor cable.
10. Plug in the power cord, turn on the power switch, and wait for the DOS prompt.
11. Insert the Intel EtherExpress PRO/10+ ISA LAN Adapter Configuration and Driver diskette, release 3.0 into the computer's floppy drive.
12. Type **a:\softset2** and press **Enter**. The Main Menu appears.

```

Main Menu
Automatic setup
Change adapter configuration
View adapter configuration
Test adapter
Install network drivers
Save/load adapter configuration
View help files
  
```

Exit SoftSet2

13. Use the arrow keys to move the cursor to Change adapter configuration and press **Enter**. The following screen appears:

```

Change adapter
I/O Address      300-30Fh
Interrupt        IRQ 7 (or
11)
Board connector type TPE
connector
Force 8-bit operation No
Flash chip address Disabled
Remote boot program None
  
```

Advanced Option Menu

14. Confirm that the settings for **I/O Address** and **Interrupt** are as shown above. If not, move the cursor to the line you want to change and press **Enter**. Type the new value and then press **Esc**.
15. Move the cursor to **Advanced Option Menu** and press **Enter**. The following screen appears:

```

Advanced Option
Concurrent processing Enabled
Plug and play      Disabled
Duplex             Half duplex
Power management  disabled
  
```

16. Confirm that the setting for **Plug and Play** is as shown above. If not, move the cursor to the **Plug and Play** line and press **Enter** to change the value.
17. Press **F10** to save all changes. The Main Menu appears.

18. Move the cursor to **Exit SoftSet2** and press **Enter**.
19. Press **N** when the system asks if you want to restart the system now.
20. Turn off the POS/EM Value 80486 host computer and unplug the power cord. Remove any cables necessary to allow access to the back of the computer.
21. Turn the computer on its side, remove the screw securing the LAN adapter card to the backpanel, and remove the card. Put the card into its protective bag.
22. Place the cover plate over the backpanel opening and secure it in place using the backpanel screw. Do not overtighten the screw.
23. Replace the computer cover and secure it using the thumbscrew.
24. Reconnect the power cord and all cables. If the 80486 host computer was in use, plug in the power cord and turn on the power switch.
25. Return to **Installing the Network Adapter Card** at the beginning of this document.

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