

# *PC Card Setup Information for CardWare® 2.5*

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This document contains information about PC Cards and how to set up CardWare® for these cards.  
The cards are grouped by functions:

**Fax/Modem Cards**  
**LAN Cards**  
**ATA Harddisk Cards**  
**OTHER (like SCSI)**

Within each group the cards are sorted by Manufacturer in alphabetical order.

Set up the needed devices as listed. Ensure that you have the resources available. If you have to edit the [Resources] section of the CARDWARE.INI file consult the CWINI.TXT file for information. Also keep in mind that CardWare is using the first 4KByte segment of the available memory for internal use. For example, if you want to allocate a 64KB memory range with the base of D000H to a device, your CARDWARE.INI should include the following lines:

[Resources]

```
MEM=0xCF000,0x1000,E ; 4KByte for internal use by CardWare  
MEM=0xD0000,0x10000,E ; 64KByte for use by Devices.
```

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## **Fax/Modem Cards**

### **Hotline 960 CC Fax/Modem HL9672CC**

***Remark:** It is not possible to reconfigure this modem by using the 'Reconfigure' option of PC Card for Windows. The reason for this is, that the CIS information is not available after the modem is once initialized. To reconfigure this card you have to cycle it (remove the card from the slot and insert it again).*

## **LAN Cards**

### **1. D-LINK DE-650**

Device: D-Link

Type: Other
I/O Range 1:300 16
2:310 16
D400 4
2: D600 16
IRQ Level: 5

## 2. Grey-Cell Ethernet Gold Card

Device: Grey-Cell

Type: Network Adapter
I/O Range 1: 300 32
2: [None] [None]
Memory Range 1: [None] [None]
2: [None] [None]
IRQ Level: 5

## 3. IBM TokenRing Card

Device: [Do not configure]

*Remark: The card will be configured by the driver which comes with the card. This driver works as a card services client. The requested I/O-address of 0xA20 is masked to 0x220-0x227. The card needs two memory windows ( one with 8KB and one with 16KB).*

Make sure that the memory range from 0xD0000-0xDFFFF is available to Card Services

Example: Example for a Novell ODI driver:

```
**** STARTNET.BAT
ls1
```

```

token
ipxodi
netx
**** NET.CFG
link support
BUFFERS 1 9000
Link Driver TOKEN
PCMCIA
DATA RATE 16
INT 5
MEM #1 DA000 ; 8KB window
MEM #2 DC000 ;16KB window
**** TOKEN.COM
IBM Token-Ring MLID v1.28 (930824)
(C) Copyright 1991 - 1993 Novell, Inc. All Rights Reserved.

```

#### 4. IBM Ethernet Card

Device: [Do not configure]

*Remark: The card will be configured by the driver which comes with the card. This driver works as a card services client.*

#### 5. BM 3270 Card

Device: IBM 3270

Type: Network Adapter
I/O Range 1:2D0 16
2: [None] [None]
CE00 8
[None] [None]
9

*Remark: You must use the settings in the IBM-3270 device, because the 3270-Emulation software is expecting this hardware setting.*

Please ensure that the required resources are available! The [Resources] section of the CARDWARE.INI file should include lines which insert the following Memory- and I/O-Ranges (Remember to exclude the added Memory ranges for use by an EMM-Manager in your CONFIG.SYS!):

MEM=0xCD000,0x3000,E

I/O=0x2D0,0x20,E,10

Note: On boards which are using the Texas Instruments PCMCIA controller (TACT 88412 CCU), this PC Card can only be used in the slots "A" AND "B".

## 6. New Media Ethernet

Device: [Do not configure]

*Remark: The card will be configured by the driver which comes with the card. This driver works as a card services client.*

Use the driver V1.52 or later without the /R switch.

CLIENT: DEVICE=NMCLAN2.SYS

## 7. Socket Communication EA PCMCIA LAN

Device: Socket Ethernet

Type: Network Adapter
I/O Range 1: 3E0 32
2: [None] [None]
Memory Range 1: [None] [None]
2: [None] [None]
IRQ Level: 9

*Remark: You can modify the device to use I/O adress 0x300. The Socket card is only supported in the I/O mapped mode.*

## 8. XIRCOM CE-10BT Creditcard Ethernet Adapte

Device: [Do not configure]

*Remark: The card will be configured by the driver which comes with the card. This driver works as a card services client. Use the latest XIRCOM drivers and update your CIS as de*

*scribed in the XIRCOM documentation.*

The card (CIS Rev E) was tested with CardWare2.0 and the following software configuration:

```
**** STARTNET.BAT
cecfg.exe driver=odi
lsl
ceodi
ipxodi
netx
**** NET.CFG
link driver ceodi
frame ethernet_802.3
frame ethernet_II
int 5
port 300
mem d0000
**** CECFG
Xircom CreditCard Resource Manager, V2.42, (931123)
**** CEODI
Xircom CreditCard Ethernet Adapter MLID V2.02 (931122)
(C) Copyright 1993 Xircom. All Rights Reserved.
**** IPXODI
NetWare IPX/SPX Protocol v2.12 (931007)
(C) Copyright 1990-1993 Novell, Inc. All Rights Reserved.
**** NETX.EXE
NetWare Workstation Shell v3.32 (931117) PTF
(C) Copyright 1993 Novell, Inc. All Rights Reserved
```

Note: The CECFG driver V4.23 and later may not be compatible with the Card Services release 2.1. This driver will report that the card was configured by PCENABLE even if the card was set to [Do not configure]. You can solve the problem by loading the CECFG driver prior to PCENABLE in CONFIG.SYS. Please contact your supplier of the PC Card for an updated software.

## **9. XIRCOM PS-CE2 Creditcard Ethernet Adapter**

Device: [Do not configure]

*Remark: The card will be configured by the driver which comes with the card. This driver works as a card services client.*

Use the latest XIRCOM drivers and update your CIS as described in the XIRCOM documentation. The card was tested with CardWare and the following software configuration:

```
**** STARTNET.BAT
ce2cfg.exe driver=odi
lsl
ce2odi
ipxodi
netx
```

```
**** NET.CFG
link driver ce2odi
frame ethernet_802.3
int 5
port 300
mem d1000
**** CE2CF
Xircom CreditCard Resource Manager, V4.41, (940722)
**** CE2ODI
Xircom CreditCard Ethernet Adapter IIPs MLID V1.02 (930617)
**** IPXODI
NetWare IPX/SPX Protocol v2.12 (931007)
(C) Copyright 1990-1993 Novell, Inc. All Rights Reserved.
**** NETX.EXE
NetWare Workstation Shell v3.32 (931117) PTF
(C) Copyright 1993 Novell, Inc. All Rights Reserved.
```

**Note:** The CE2CFG driver before V4.40 may not be compatible with the Card Services release 2.1. This driver will report that the card was configured by PCENABLE even if the card was set to [Do not configure]. You can solve the problem by loading the CECFG driver prior to PCENABLE in CONFIG.SYS. Please contact your supplier of the PC Card for an updated software.

Because of a hardware problem of the memory chip which is used to store the CIS of the card it may not be possible to configure the card correctly. In such cases you will only hear ONE beep if you insert the card. Contact XIRCOM or use the modified Socket Services from AWARD (SSPIC.EXE dated later than 26.10.94 19:32).

## ATA Harddisk Cards

### 1. Western Digital ATA CU-140

*Remark: This card is not PCMCIA compliant because it has no CIS information and no Configuration-Option-Register'. So there is no way for CardWare to support this card. AWARD is working closely together with the card manufacturer to fix the problem for new cards.*

## OTHER Cards

### 1. New Media Visual SCSI Card

Device: [Do not configure]

*Remark: The card will be configured by the ASPI driver which comes with the card. This driver works as a card services client.*

CLIENT: DEVICE=ASPIMGR.SYS

## 2. New Media SCSI Bus Toaster

Device: [Do not configure]

*Remark: The card will be configured by the ASPI driver which comes with the card. This driver works as a card services client.*

CLIENT: DEVICE=BTASPI.SYS /D /Y

## 3. New Media .WAVjammer

Device: [Do not configure]

*Remark: The card will be configured by the driver which comes with the card. This driver works as a card services client.*

CLIENT: DEVICE=NMCSSND.SYS /WAVE=300 /V

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