Ositech Trumpcard PCMCIA Card Setup

Use this dialog box to configure the Ositech Jack of Diamonds Trumpcard PCMCIA card. Since the Ositech Jack of Diamonds Trumpcard provides both Modem and LAN functionality in a single PCMCIA adapter, both functions are configured from this dialog box. For more information on the fields in this dialog box choose one of the following topics:

LAN Configuration

- IRQ Level
- I/O Port
- Max Transmits
- Transceiver Type
- Disable Link Test
- Network Address

Modem Configuration

To access the modem from Windows NT, you will have to use the Add option of the Port setup tool in the Windows NT Control Panel. Fill in the Advanced Settings dialog box to tell NT where the Trumpcard serial port is located.

IRQ Level

Base I/O Addr

Environment

- PCIC
- Socket Services
- Memory Window
- Socket Number

PC Card Interface Controller

This field indicates the type of PCMCIA interface controller that the setup program has found in your computer.

A value of *Not Found* indicates that the setup program has been unable to determine the type of PCMCIA interface controller and therefore the Trumpcard driver may not work properly on this particular system.

Socket Services

This option is used to enable support for Windows NT Card and Socket Services. This option is not currently used.

IRQ Level

Select an interrupt level for the LAN function of the Trumpcard adapter card. IRQ5 is the default setting. This value should not conflict with existing hardware, or with the IRQ assigned to the modem function.

I/O Port

Select an I/O Port for the LAN function of the Trumpcard adapter card. The I/O address of 0x0300 is the default setting. The I/O range will be 32 ports in length, or 64 ports if the modem is configured to have the base I/O address LAN + 28h.

Transciever Type

Select the media type for the Jack of Diamonds adapter card. Select 10BaseT if you are going to use unshielded twisted pair media. Select 10Base2 when the media that you are using is thin coax. To use 10Base2 you will require an external Media Access Module. Selecting Auto Detect which will cause the driver to determine the current media when loading and will power down the LAN function if *no* network cable is connected. The default media type is Auto Detect.

Network Address

The network address is normally read from the Trumpcard, and so this field is left blank. If you need to override the pre-assigned network address, you can do so by entering the new network address as 12 hexadecimal digits (0-9, a-f). However, you must observe the following restrictions:

1) The high-order byte must be an even number.

2) Each adapter on the network must have a unique network address.

An example of a network address is the value 00c0e3200000. The default setting for this field is blank.

Maximum Transmits

Select the maximum queue length. If the number of queued packets is too high, this might cause received packets to be dropped. The default value of this field is 1.

Disable Link Test

On some 10BaseT networks, you may need to disable the Link Test function. The default value is enabled (unchecked).

Modem IRQ Level

Enter the IRQ that will be assigned to the Modem function. The default value is IRQ3, which correspond to the typical value for COM2 or COM4. If the modem base I/O address is assigned the value of *None*, then this value will be ignored.

Modem I/O Address

Select the I/O address that will be assigned to the Modem function. The list contains the standard addresses of COM1 through COM4 and the two special values Ositech (Lan+28h) and None. The modem I/O window will be a 8-byte range. The default setting is COM4 or 0x2e8.

Ositech COM Port

This option is used when the PCMCIA hardware adapter does not support dual I/O windows, or when one of the standard COM port locations cannot be used. The Ositech COM port will be located at a non-standard I/O location (LAN + 28h).

To use the Ositech COM Port you must use the Advanced Settings option of the Port function in the Windows NT Control Panel. The Base I/O Port Address of the COM Port must be set to be 0x28 higher than the I/O Address that was given to the LAN function. As an example, if the LAN function was located at 0x200, then the COM ports base I/O address would be located at 0x228.

Memory Window

This option is used to allocate a 4k memory window that is used to verify the presence of the Jack of Diamonds. The default is the physical address of 0xD0000.

NOTE: If you are having trouble with your machine locking up after installing the driver, try changing this value to 0xD4000.

Socket Number

Select the PCMCIA socket that the Trumpcard is going to use. If there is a problem with the auto detection conflicting with other PCMCIA cards, then the Socket 1, Socket 2, Socket 3 or Socket 4 option can be used to prevent the driver from looking at the other sockets. The default setting for this option is Auto Detect.

Power Management

If you configure the driver to Auto Detect the network media type and no cable is attached to the Trumpcard, then the LAN portion of the Trumpcard will be powered off in order to save power.

Interface Type

If your are presented with a dialog box asking about the Bus Location of the Ositech Trumpcard, then you will typically be presented with the bus options of ISA and PCMCIA.

If you select PCMCIA, then the driver will use the Microsoft WinNT 3.51 PCMCIA enabler to perform the PCMCIA enabling. If you select anything other than PCMCIA, then the Ositech driver will perform the enabling.

The Bus Number should typically be left at zero (0).

Note: The bus type that you select should be that to which the PCMCIA controller chip is located on. So if your computer has a PCI-PCMCIA bridge chip, then you should be selecting the PCI bus.