NEXTSTEP for Intel Processors

Title: SMC Elite 16 ISA Ethernet Adapter
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Keywords: SMC, Ethernet, ISA, Networking

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Usage Commentary:

The SMC Elite 16 Combo provides a 16 bit ethernet interface to thin, thick or twisted pair networks.

Setup and Installation:

Set the jumpers that allow software configuration (as shown in the diagram) and install the card into any free ISA slot in your computer. Then, follow the steps below.

1. Boot DOS (from the hard disk as it comes pre-installed, or from a floppy such as the one that comes with the system). You should see a DOS prompt such as A> on your monitor.

2. Find the package with SMC materials in it (a manual that says "EtherCard PLUS Elite16 Series", a T-connector and disks) and insert one of the disks (either 5.25" or 3.5"). Run the **`ezsetup.exe`** program from that disk.

On your monitor you will be shown the board type, ethernet address and current software settings. The number "8013" in the board type indicates that the SMC EtherCard PLUS is compatible with Western Digital 8013 ethernet cards (the **`ezsetup.exe`** program from the SMC packet can be used to configure Western Digital 8013 ethernet cards).

3. Change the setup to the following:

```
I/O Base Address: 280
IRQ: 10
RAM Size: 16K  (no change)
RAM Base Address: 0D0000
Add Wait States: Yes  (no change)
Network Connection: BNC or 10BaseT  (no change)
ROM Size: disabled (no change)
ROM Base Address: disabled  (no change)
```

Known Problems:

Release 3.1 and 3.2

- The buffer for incoming packets on the SMC card is relatively small, so you will get much better performance if you reduce the read buffer size of NFS to 4K. You can do this by using the "**`rsize`**" argument when mounting NFS partitions. For example, "**`mount -o rsize=4096 server:/users /users`**."

Release 3.3

See NeXTanswers document 1809_SMC_EtherElite_16_Driver_Overview.rtf