Ethernet 3 Expansion Card
User Notes

Introduction

The Ethernet 3 expansion card enables an Acorn A5000, A540 or A400 series computer to connect to an Ethernet/IEEE 802.3 network. It is equipped with an AUN client ROM, which contains a device driver module and also software to enable the computer to function as a client station on an AUN network. The AUN software runs only under RISC OS 3 (v3.10) or later; on other versions of RISC OS it is not loaded from the ROM.

You should not use this card to connect an A3000 series or A4000 computer to Ethernet. Your supplier will advise you about the correct type of interface card to use with these types of computer.

The Ethernet 3 card connects to 'thin' Ethernet (1 0Base2) only. Again, your supplier will advise you if you wish to connect your computer to other types of Ethernet cable.

Links

There are no configuration links on the card.

Fitting the expansion card

Please refer to the enclosed leaflet Expansion Card Installation Instructions for information on how to fit the card within the computer.

Checking correct installation

After fitting the expansion card you should check that it is being recognised by the computer. Type `*podules` from the RISC OS command line. if the card is fitted properly you should see something like:

```
Podule 0: Acorn Ethernet 3 (00:02:07:00:01:c0)
Podule is No installed podule
Podule 2: No installed podule
Podule 3: No installed podule
```

The number in brackets is the hardware address of the Ethernet 3 card. This address is unique in the world, and is permanently 'owned' by this individual card.

Device driver software

Under RISC OS 3 a device driver module will load automatically from the ROM at power-up. The module's name is 'Ether3', which should show up on the list of active modules when you type `*modules` from the command line.

The Ether3 module will provide device driver support for AUN and other network products such as TCP/IP Protocol Suite (Issue 2 or later). Should you wish to prevent Ether3 from loading automatically from the ROM, you may type

```
*unplug Ether3
```

from the RISC OS command line.

When the device driver is running and the computer is connected to the Ethernet cable, you may enquire about the status of the card by typing `*E3Info` at the command line. This will notify you of any operational problems which may have been detected by the card, and will also display the number of data packets which the card has handled to and from the network.

Enabling the AUN software

Unlike the device driver module. the AUN software in the ROM does not load automatically unless you configure it to do so. when you first install the expansion card the AUN software is not configured, if you wish the computer to function as an AUN client station you should type:

```
*Configure BootNet On
```

from the RISC OS command line, and then restart the computer. This time the AUN software as well as the device driver module will load and run.

Subsequently, you may prevent the AUN software from loading at power-up by typing

```
*Configure BootNet Off
```

More information about configuring your computer as an AUN client station may be found in AUN Manager's Guide, which is included in the AUN / Level 4 Fileserver software pack.

Note: If you wish to run software from TCP/IP Protocol Suite over the Ethernet 3 expansion card then you must not configure the AUN software to load at power-on

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