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AlphaServer 1000: READ THIS FIRST

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Online Documentation

Your shipment includes documentation on a CDROM. This online document includes an easy-to-navigate hypertext version of all the information in the printed *Owner's Guide* plus information on upgrading, adding options, and support. You can install the CDROM files on any personal computer running Microsoft Windows Version 3.1 or later, Microsoft Windows NT Version 3.1 or later, or a Windows emulator. The disk on which you install the CDROM files must have approximately four megabytes of free space available.

To install the online documentation:

1. Insert the CDROM disc into your CDROM drive.
2 From the Windows Program Manager File menu, choose Run.
3. In the Command Line box, type D:\SETUP, where D is the letter of the CDROM drive.
4. Click OK.
5. Follow the instructions that appear on the screen.

Online Information through Digital FTP Archive

If you are an Internet participant, you can obtain information related to the AlphaServer 1000 system through the Digital FTP archive:

`ftp.digital.com:  /pub/DEC/Alpha/systems/as1000/docs/`

For access through the Digital World-Wide Web Server:

`http://www.service.digital.com/alpha/server/1000.html`

General Hardware Installation

1. Unless your system has been configured with an additional SCSI controller, you cannot install a hard drive in slot 5 (SCSI ID 4), because the CDROM is located at this address.
2. Ensure that your monitor cable is plugged into the correct graphics port if you have an optional graphics card installed. Plug the cable into the connector of your option card, not into the connector on the system board. If your system configuration uses integrated graphics, please refer to your operating system documentation for specific installation information.
3. Do not install or remove any options without first turning off the system.
4. Note this update to configuration information in Chapter 6 of the *AlphaServer 1000 Owner's Guide*:

    In the section, "Configuring the Backplane with Two Controllers," a 12-41667-02 terminator should be used with the 17-03962-02 cable for support of RAID options.

New Operator Interfaces

On AlphaGeneration systems, which are based on the Alpha architecture, control of the system hardware is provided by a console subsystem. The console subsystem contains firmware code (software code embedded in the hardware) that offers service functions. Some of these functions include initializing and testing the hardware, bootstrapping the system software, and providing a means for the system administrator or a management application to monitor and control the system.

Because the AlphaServer 1000 system is designed to support multiple operating systems, the server offers two separate operator interfaces: a command-line interface called the SRM console, and a menu interface called the ARC console.

Refer to the *AlphaServer 1000 Owner's Guide* to learn how to use the SRM and ARC consoles.

SRM Command Line Console

The SRM console is a UNIX-style, command-line interface designed to facilitate interaction between the AlphaServer hardware and the Digital UNIX (DEC OSF/1) and OpenVMS operating systems. You need to enter console firmware commands at the SRM command line to configure and test the hardware and bootstrap the Digital UNIX or OpenVMS operating systems. Users of traditional Digital systems will be familiar with this command-line interface.

ARC Menu-Based Console

The ARC console is a graphical user interface designed to facilitate interaction between the AlphaServer hardware and the Microsoft Windows NT operating system. To configure your system hardware and boot Windows NT, you need to use the ARC menu interface. Users of window systems will be familiar with the menu-based style of interface.

When to Switch Consoles

You can perform most console-related tasks from the interface designed to interact with your operating system. However, the console interfaces are designed so that you can easily switch between them. You only need to switch between the consoles in the following instances:

- If you are running the Digital UNIX or OpenVMS operating systems, and need to run the RAID Configuration Utility (RCU), you must switch to the ARC console.
- If you are running Microsoft Windows NT and want to run system diagnostics with the `test` command, you must switch to the SRM console.

Refer to the *AlphaServer 1000 Owner's Guide* for instructions on switching between the consoles.

Configuration Utilities

If you add, remove, or configure EISA or ISA options, you must run the EISA Configuration Utility (ECU). The ECU is provided on two diskettes with your server system–a diskette for Digital UNIX and OpenVMS and a diskette for Microsoft Windows NT. The *AlphaServer 1000 Owner's Guide* explains how to run the EISA Configuration Utility.

The ECU does not automatically configure ISA cards. For example, if you add an Adaptec AHA154x to the bus, you need to choose the option "Add a board" within the ECU and select !ISA0000.CFG for the ISA slot. You can then manually configure the AHA154x, which will force the ECU to resolve ISA/EISA resource conflicts. Or, you can examine the resources used by the EISA cards using "View or edit details" and move those that conflict with the ISA cards.

Microsoft Windows NT Installation

Please note the following updates to installation information in Chapter 3 of the *AlphaServer 1000 Owner's Guide.*

> In step 6 of the section "Setting Default Environment Variables," if you plan to partition your hard disk, set the partition number to 2. Otherwise, enter the boot partition number corresponding to your existing disk and NT configuration.
>
> In step 8 of the section "Partitioning and Formatting Your Hard Disk," the number you enter depends on the maximum partition size. The number must equal the maximum size displayed minus 6. For example, if the largest possible value is 500, you would enter 494.

Network Drivers

The DC21040 and DE435 Ethernet controllers are not automatically detected during Windows NT installation. To install the device driver for these adapters, use the diskette shipped with the option. The version shipped on the Windows NT CDROM may not be appropriate for your system.

During installation, respond to the prompt asking whether or not to automatically detect the network card installed by selecting `Do Not Detect` or `Continue` as appropriate. (The choice depends on whether you are performing an Express or Custom setup). When the Add Network Adapter dialog box is displayed, select `Other`, identify either the DC21040 or DE435 controller, and click on OK.

Resetting Environment Variables

Whenever you reset the following SRM environment variables, you must initialize the system to put the new setting into effect.

auto_action

console

language

os_type

pk*0_fast

pk*_host_id

To reset SRM environment variables, use the `set` command and initialize the system with the `init` command. For example, to change the device on which power-up output is displayed from a serial terminal to a graphics monitor, set the console environment variable to "graphics" and then enter the `init` command:

```
>>> show console
console serial
>>> set console graphics
>>> init
       .
       .
       .
>>> show console
console graphics
```

The *AlphaServer 1000 Owner's Guide* explains the functions of the environment variables.