


Chapter 4

Configuration Information

ASM-Station conveniently allows the user to view configuration information for all servers monitored by ASM-Station. This information includes:

- **Server System Information.** Information about a selected server, such as server name, OS name, product name, and IP/IPX address.
- **System Hardware Configuration.** Information about the processor, BIOS, and memory for the selected server.
- **Storage Subsystem Information.** Information about the type of controller and hard disk being used to store data.
- **I/O Devices Information.** Information about system I/O devices, such as diskette drives, SCSI information, and I/O ports.
- **Network Controller Information.** Information about network interface cards, including the card type, model name, slot, IP address, IRQ, and I/O port.



By pressing **CTRL** + , you can cycle through the open windows.

4.1. Server System Information

The **Server System Information** button allows the user access to general information about the server currently being monitored. This information helps you keep track of the servers being monitored and helps you manage them more efficiently.

The folders on this screen are described in the following sections.

4.1.1 Generic

The Generic folder gives general information about the server. Detailed descriptions are given in the table below.



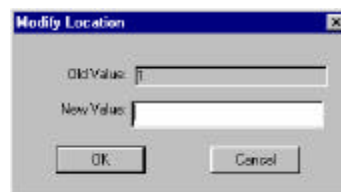
Field	Value
D.S. Version	Windows NT 4.0 (build 1381)
Product Name	XIB
Server Name	XIB_NT
Up Time	1 day 22:55:48
Station Time	Thu Aug 28 11:58:37 1997
Location	[Empty] [Modify]
IP/PPS Addr	168.168.00.39
Agent Version	3.10
DM1 Support	2.0

Use the **Refresh** button to update the screen display with the latest information.

Folder Items	Descriptions
O.S. Version	Version of the Operating system being used by the server.
Product Name	Name of the hardware you are using.
Server Name	Name to identify your server with.
Up Time	Indicates how long the server has been running.
Station Time	Indicates the day of week, date and time of day.
Location	Indicates where the server is located.
IP/IPX Addr	IP/IPX address of the current server.
Agent Version	The version number of ASM-Agent.
DMI Support	Indicates the version of Desktop Management Interface support.

The **Modify** button lets you change the current location of the server. To change the current location:

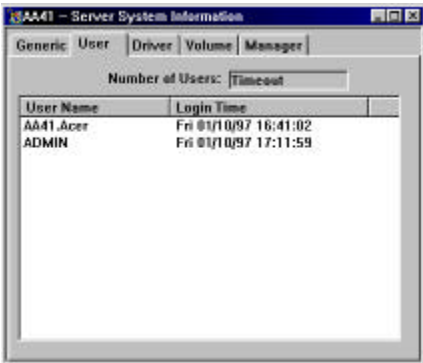
1. Click **Modify** to display the Modify screen.



2. Type the new value in the New Value box . (The maximum number of characters allowed is 48.) Click **OK**. You will be prompted to enter the Agent password before the change takes effect.

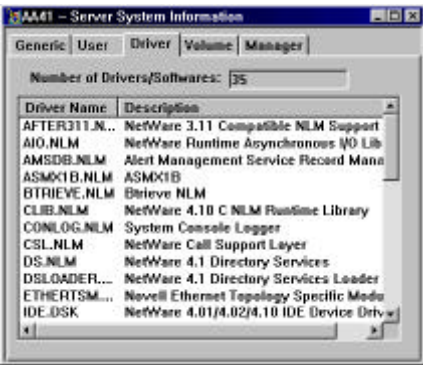
4.1.2 User

This folder gives you a list of users currently using the server system. **User Name** indicates the identification of the user and **Login Time** indicates the time they started using the server.



4.1.3 Driver

The Driver folder gives you a list of drivers currently implemented by the server. **Driver Name** indicates the name of the driver; to the right of the name is a brief description of each driver.



4.1.4 Volume/File System

The Volume/File System folder shows you the hard disk information on the server currently being monitored. This is the volumes or filesystems currently configured in the server.



The screen shows volume information for NetWare and NT servers. For SCO, the screen shows filesystem information.

AA41 - Server System Information

Generic User Driver Volume Manager

Number of Volume: 1

Volume	Total Size	Free Size	Total Dir	Free
SYS	478MB	28MB	80384	6605

4.1.5 Manager

The Manager folder shows you the person in charge of the server. It also shows you where you can reach this person in case of an emergency.

M9NNT40 - Server System Information

Generic User Driver Volume Manager

Name: Max Kleinman

Office Address: 1436 Kingston Road

Office Phone: 505-7638

Home Address:

Home Phone:

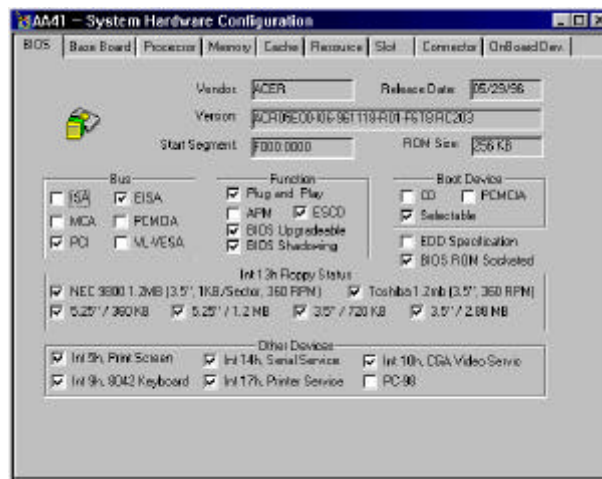
Pager:

E-Mail:

Refresh Undo Set

4.2. System Hardware Configuration

The System Hardware Configuration toolbar button displays a screen similar to the following, showing system configuration information, including information about the processor, BIOS, and memory.



The above screen is used to view information about different configuration options. You can view additional information by clicking on the tabs at the top of the screen. The following sections describe each of the tabs.

4.2.1 BIOS Characteristics

The BIOS characteristics tab displays a screen showing details of the current BIOS. It also shows various types of hardware supported by the current BIOS. The check marks show the supported bus, function, boot device, int13 floppy status, and other services based on the DMI specification used. (Refer to the screen above.)

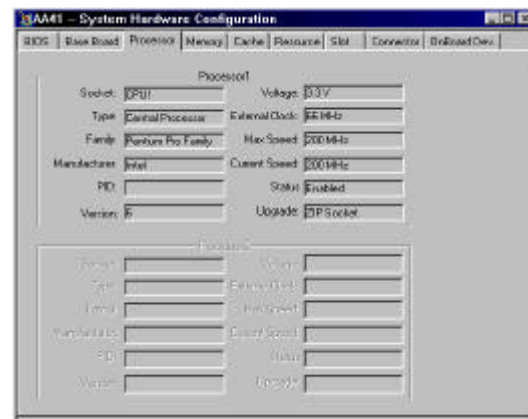
4.2.2 Base Board Information

The following screen (Base Board tab) shows the manufacturer, product vendor, version and serial number of the base board.



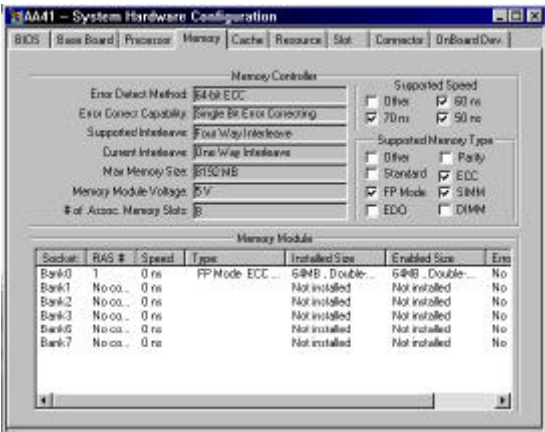
4.2.3 Processor Information

The following screen (Processor tab) shows the type, speed, version number, and other information about each CPU on the server.



4.2.4 Memory Information

The Memory tab displays information about the memory controller and the memory module.



Memory Controller Information

Memory controller shows the supported attributes of all memory modules present in the controller's sockets.

Memory Module Information

Memory Module Information shows detailed information about each socket, including the speed, type, installed size, and error status.

4.2.5 Cache Information

The Cache tab displays attributes of CPU cache devices, including the type and size:



The screenshot shows a window titled "GROUNDHOG - System Hardware Configuration" with several tabs: BIOS, Base Board, Processor, Memory, Cache, Resource, Slot, Connector, and OnBoard Dev. The "Cache" tab is selected. It displays a table with two columns, L1 and L2, and several rows of attributes.

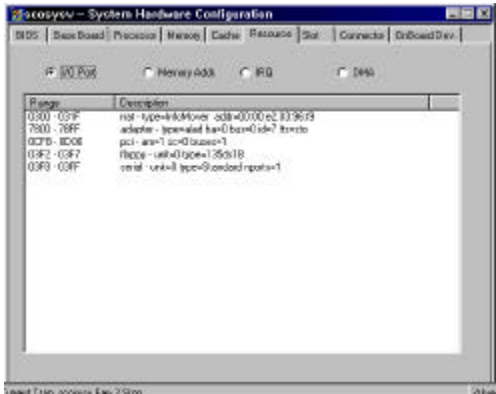
	L1	L2
Level	1	2
Is Socketed	Yes	Yes
Location	Internal	External
Status	Enabled	Enabled
Mode	Write Back	Write Back
Max. Size	16K	512K
Installed Size	16K	0K

4.2.6 Resource Information

The Resource Information tab has four parts: I/O Port, Memory Address, IRQ, and DMA information. The following paragraphs give a brief description of each.

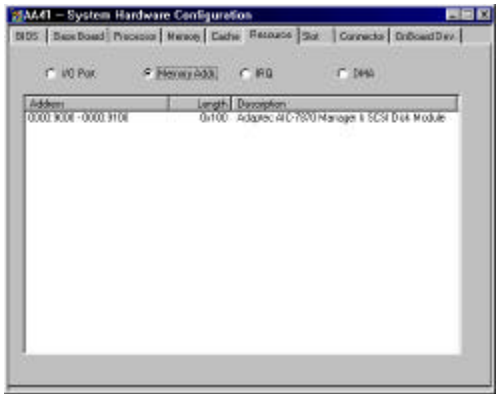
I/O Port Information

This displays the range of port address occupied by system resources and gives a detailed description of system resources that occupy these addresses.



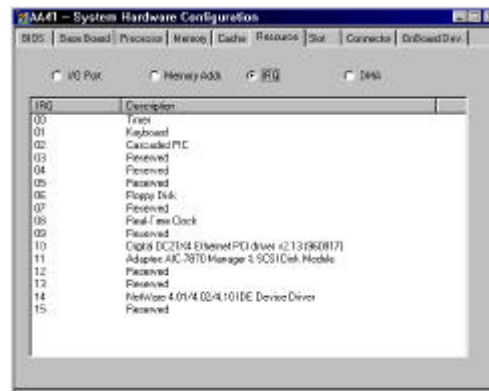
Memory Address

This displays system base memory usage, including the address, the length, and its description.



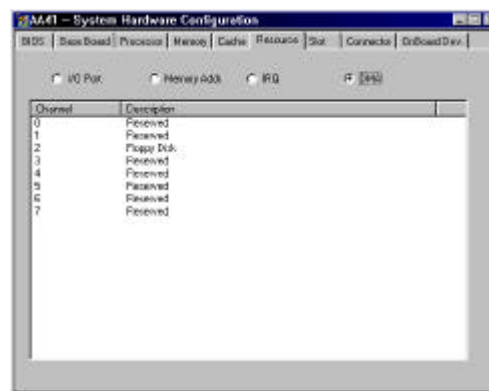
IRQ Information

This screen displays a list of each IRQ and its usage in the system. It can be used to detect a hardware interrupt conflict.



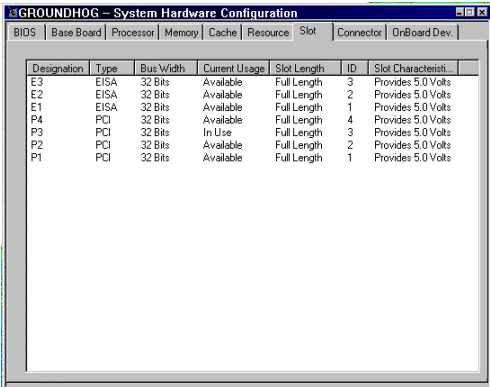
DMA Information

This screen displays all the DMA channels used by each device in the system.



4.2.7 Slot Information

The Slot tab displays information about different slots on the system board, including the type and availability of each bus. Please refer to the EISA or PCI specification for definitions of the slot IDs. The Designation field refers to the motherboard layout label.

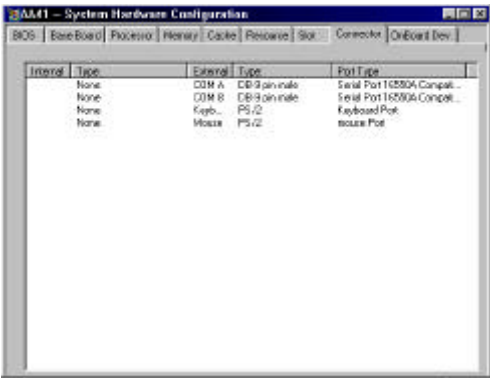


The screenshot shows the 'GROUNDHOG - System Hardware Configuration' window with the 'Slot' tab selected. The window has a menu bar with 'BIOS', 'Base Board', 'Processor', 'Memory', 'Cache', 'Resource', 'Slot', 'Connector', and 'OnBoard Dev.'. Below the menu bar is a table with the following data:

Designation	Type	Bus Width	Current Usage	Slot Length	ID	Slot Characteristi...
E3	EISA	32 Bits	Available	Full Length	3	Provides 5.0 Volts
E2	EISA	32 Bits	Available	Full Length	2	Provides 5.0 Volts
E1	EISA	32 Bits	Available	Full Length	1	Provides 5.0 Volts
P4	PCI	32 Bits	Available	Full Length	4	Provides 5.0 Volts
P3	PCI	32 Bits	In Use	Full Length	3	Provides 5.0 Volts
P2	PCI	32 Bits	Available	Full Length	2	Provides 5.0 Volts
P1	PCI	32 Bits	Available	Full Length	1	Provides 5.0 Volts

4.2.8 Connector Information

The Connector tab displays information about the motherboard connector.

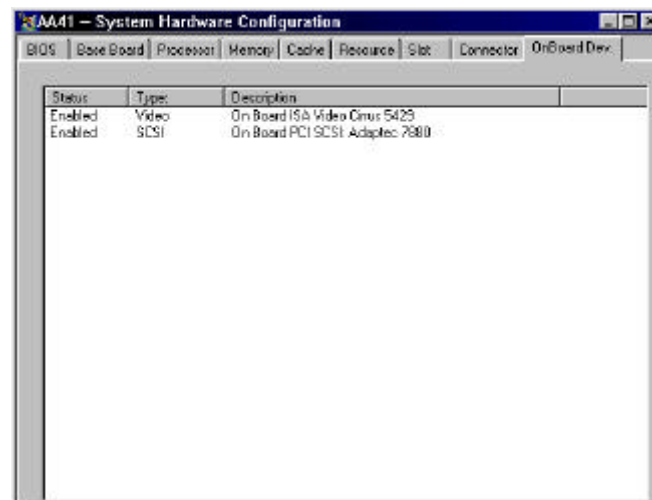


The screenshot shows the 'SAMM1 - System Hardware Configuration' window with the 'Connector' tab selected. The window has a menu bar with 'BIOS', 'Base Board', 'Processor', 'Memory', 'Cache', 'Resource', 'Slot', 'Connector', and 'OnBoard Dev.'. Below the menu bar is a table with the following data:

Internal	Type	External	Type	Port Type
None		COM A	DB-9 pin male	Serial Port 16550A Compat.
None		COM B	DB-9 pin male	Serial Port 16550A Compat.
None		Keyb.	PS/2	Keyboard Port
None		Mouse	PS/2	Mouse Port

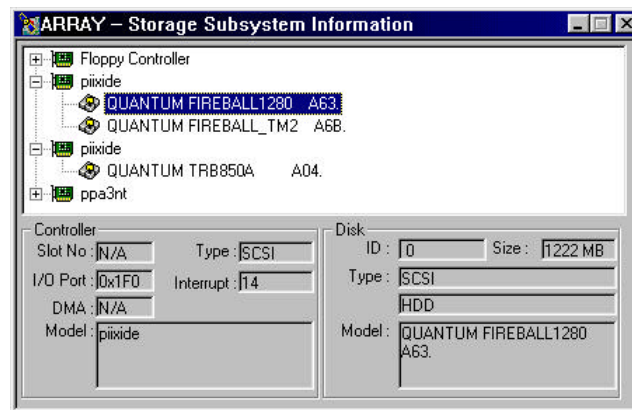
4.2.9 On Board Devices

The Onboard Dev tab displays information about devices found on the motherboard.



4.3. Storage Subsystem Information

Select the **Storage** submenu from the Information menu bar to view information about the size, type, and controller of all fixed disks that are configured on the server.



The top window shows you a tree view of the different drives connected to each adapter. By clicking on a hard disk drive, information concerning that drive will be displayed on the bottom right. The bottom left window shows controller information when you click on the adapter in the top window.

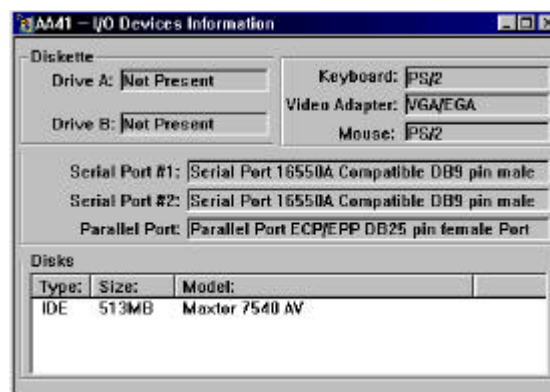


Note that the interrupt value for the above screen is a software interrupt value (controller configured in the operating system).

4.4. I/O Devices Information



Select the **I/O Devices** submenu from the Information menu bar to view information about all the input/output devices on the server, including the keyboard type, the video adapter type, and serial and parallel ports being used.



4.5. Network Controller Information

Select the **Network Controller Information (NIC)** submenu from the Information menu bar to view information about all the network interface cards installed on the server. Details are provided for the model name, slot number being used, IRQ, I/O port, base memory address, and DMA address.

