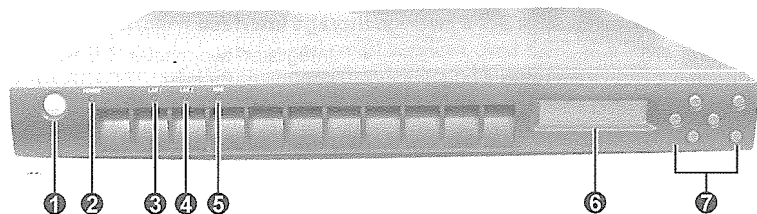


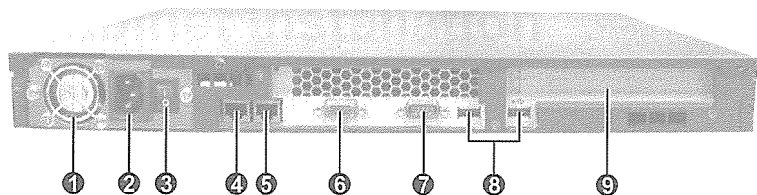
1.4 System View

Front View



| Ref | Component | Description |
|-----|---------------------------|---|
| ① | Power Button | Turns the power on and off (soft-off). |
| ② | Power Indicator | Glow green when the power is on. |
| ③ | LAN1 Indicator | Indicates an active network connection on LAN1 (external connection). |
| ④ | LAN2 Indicator | Indicates an active network connection on LAN2 (internal connection). |
| ⑤ | Hard Disk Drive Indicator | Indicates activity on the hard disk drive. |
| ⑥ | LCD Screen | Displays messages and values entered. |
| ⑦ | Control Buttons | Allow you to enter network configuration information, reboot the system, and power down the system. |

Rear View

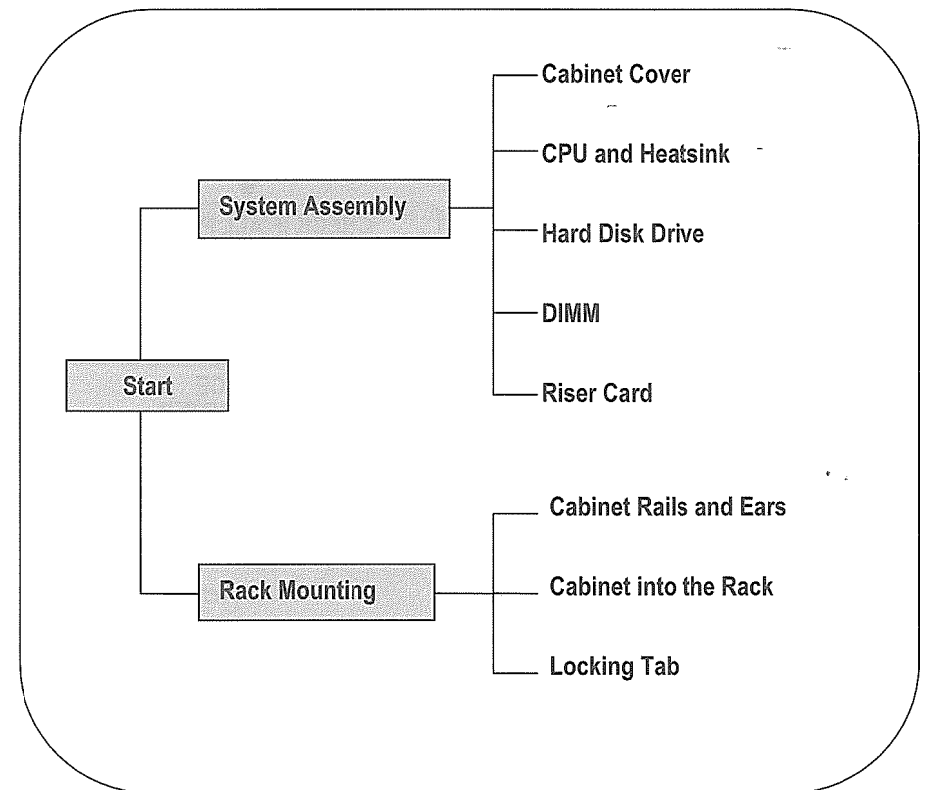


| Ref | Component | Description |
|-----|----------------------|---|
| ① | Ventilation Openings | Maintain proper operating temperature. Do not cover or block the openings. |
| ② | Power Connector | Connects the power cord. |
| ③ | Power Switch | Turns the main power of the system on and off. |
| ④ | LAN1 Connector | Connects the LAN cable for internal network connection. |
| ⑤ | LAN2 Connector | Connects the LAN cable for external network connection. |
| ⑥ | VGA Port | Connects an external CRT monitor. |
| ⑦ | Serial Port | Connects a serial device. |
| ⑧ | USB Ports | Each of the two ports connects a USB device. |
| ⑨ | Expansion Slot | Allow you to install a PCI card. (See page 17 for installation instructions.) |

2

Cabinet Installation

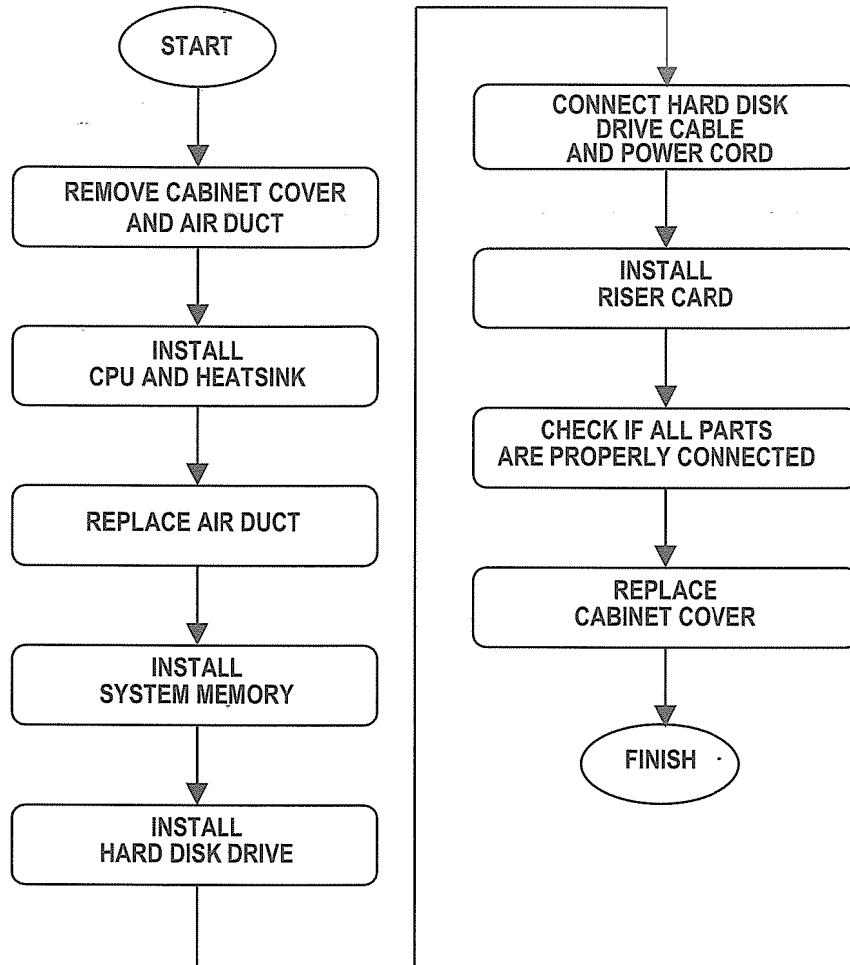
This chapter, which is divided into two sections, provides instructions on the hardware installation of the system. ***System Assembly*** section illustrates how to assemble each component of the system. ***Rack Mounting*** section describes the procedures for mounting the system into the rack. You can use the system assembly flowchart and the chart next to determine the proper sequence for removing or installing components to the server.



System Assembly Flowchart

The following flowchart shows the basic procedures of system assembly:

NOTE: Please wear anti-static gloves when handling electrical components and exercise caution during the installation process. For more information, contact your local dealer or an experienced technician.



2.1 System Assembly

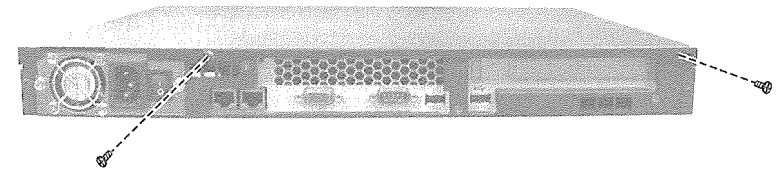
When installing a device, be sure to read the instructions accompanying the device together with the relevant section in this chapter.

Opening the Cover

CAUTION:

- Static electricity can destroy electronic devices. Whenever you handle an option outside of its protective packaging, first discharge any static electricity from your body by touching a protective grounding device or unpainted metal on the rear panel of the system before unplugging the power cord.
- Before you install any option, turn all power switches off. Unplug all power cords from the system and all peripherals. Leaving the power on can cause serious damage to your system.
- If the system is mounted on an equipment rack, remove the system from the rack and take it to a service area. Do not attempt to disassemble the system while it is still in the equipment rack.

1. Remove two screws from the back of the system. Pull the cover backward to detach it.



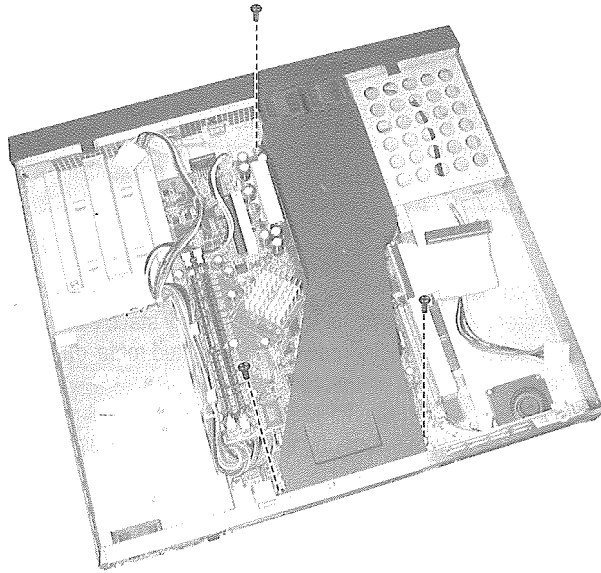
2. To replace the cover, slide the cover forward and replace the two screws.

WARNING: Before you remove or install these modules, make sure that the system is not turned on or connected to AC power.

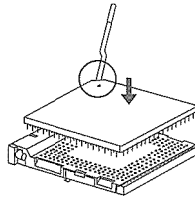
Installing the CPU

Your system supports Socket 478 Intel Pentium 4 processor up to 3.06 GHz.

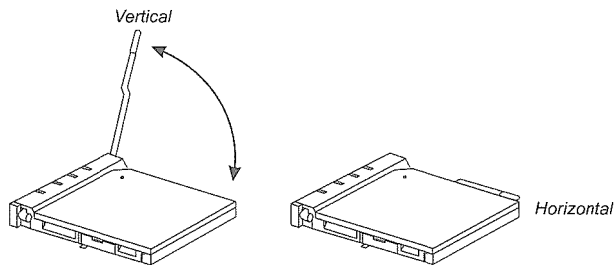
1. Remove the cabinet cover (see previous section).
2. Remove the air duct from the chassis by unfastening three side screws.



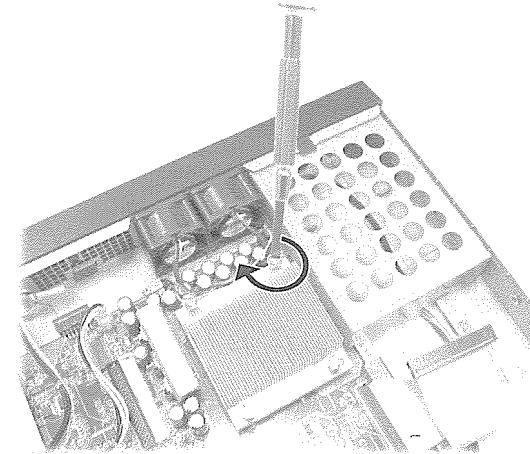
3. Locate the CPU socket and lift the socket arm up to the vertical position. Align the new CPU so its Pin 1 corner (beveled corner) is at the Pin 1 corner of the socket.



4. Insert the CPU pins into the socket. Press the arm downward to the horizontal position. You will feel some resistance while doing so. This is normal as the pressure starts to secure the CPU in place.



5. Align the four points of the heatsink socket and secure with four screws following a diagonal sequence.



6. Place the air duct back into place and secure with three screws.
7. Replace the cabinet cover.

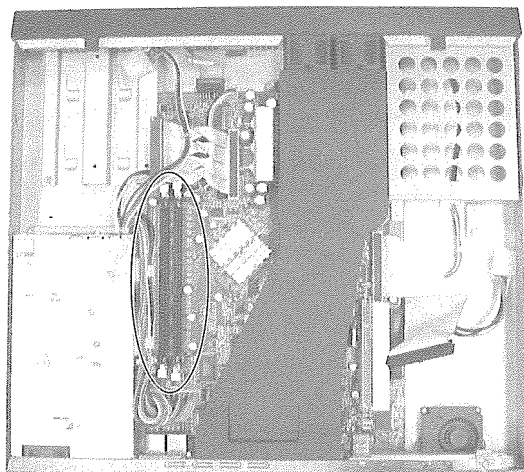
Installing System Memory

Your system has two 184-pin DIMM (Dual In-line Memory Module) sockets to support a maximum of 2 GB. You must follow these requirements for the DIMM to be used with the system:

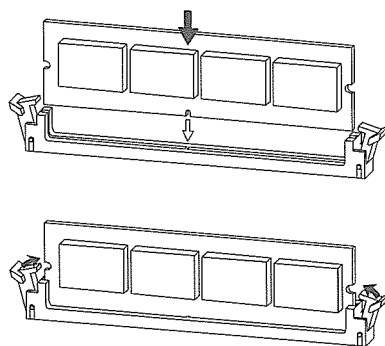
- Unbuffered DDR-SDRAM (Double Data Rate Synchronous DRAM) with ECC
- PC1600/PC2100-compliant
- 2.5 V

Follow this procedure to install a DIMM:

1. Open the cabinet cover (see previous section).
2. Locate the DIMM sockets.



3. To install the DIMM, make sure the retaining clips are in the unlocked position, then align the DIMM's notched end with the socket's corresponding end and firmly insert the DIMM into the socket. Finally push the retaining clips inwards to lock the DIMM in place.

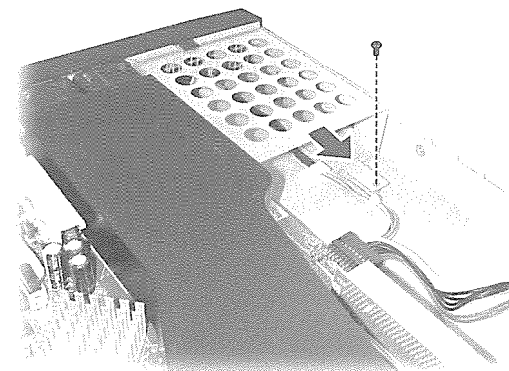


4. Replace the cabinet cover.

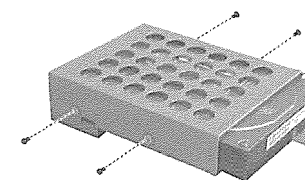
Installing a Hard Disk Drive

NOTE: Make sure that the jumper setting of the hard disk drive is set to "Master." (See the hard disk drive's documentation for information.)

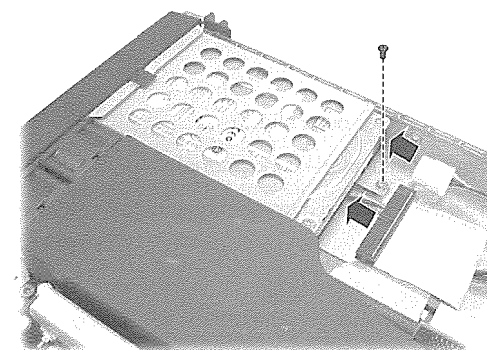
1. Remove the cabinet cover (see previous section).
2. Remove the screw from the hard disk drive bracket and detach the bracket from the cabinet.



3. Fit a hard disk drive to the bracket and secure with four screws.



4. Fit the bracket with the hard disk drive back into place and secure with one screw. Connect the data cable and power cord.



5. Replace the cabinet cover.
6. You can create or rebuild RAID for the hard disk drive (see chapter 7 for information).

Installing a Riser Card

Your system has one PCI slot located on the system board. You need to install a riser card to be able to install an expansion card for additional or enhanced functions.

1. Remove the cabinet cover (see previous section).