RS9 DRAM Installation

Introduction

These instructions explain how to install or replace DRAM modules in the PowerStation RS9 or the RSPC9 Industrial PC. They include steps for disassembling the unit, removing previously installed DRAM module(s), installing new DRAM, and reassembling the unit.

Warning For safety reasons, the unit should be opened only by qualified service personnel.

Warning Be sure to observe electrostatic discharge (ESD) precautions while working inside the unit.

To complete this procedure, you will need the following items:

- The DRAM module(s) that you purchased:
  - 32MB SDRAM DIMM (DIM-9032)
  - 64MB SDRAM DIMM (DIM-9064
  - 128MB SDRAM DIMM (DIM-9128)
  - 256MB SDRAM DIMM(DIM-9256)
- Phillips-head screwdriver

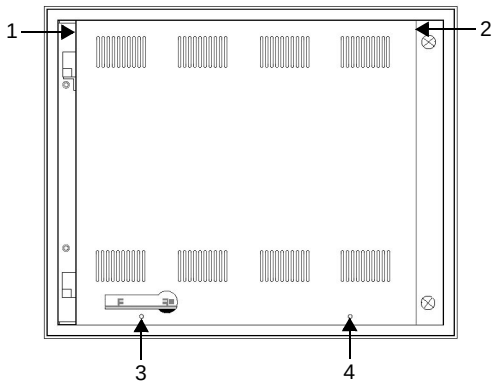
Disassembling the Unit

To disassemble the unit, follow these steps:

1. Turn off the system.
2. Disconnect the unit from the power source.
3. Remove the four screws securing the back cover to the unit, as shown in Figure 1 on page 2.

Note Screws 1 and 2 are located at the sides of the cover; screws 3 and 4 are in the back of the cover.

Figure 1: Removing the Back Cover



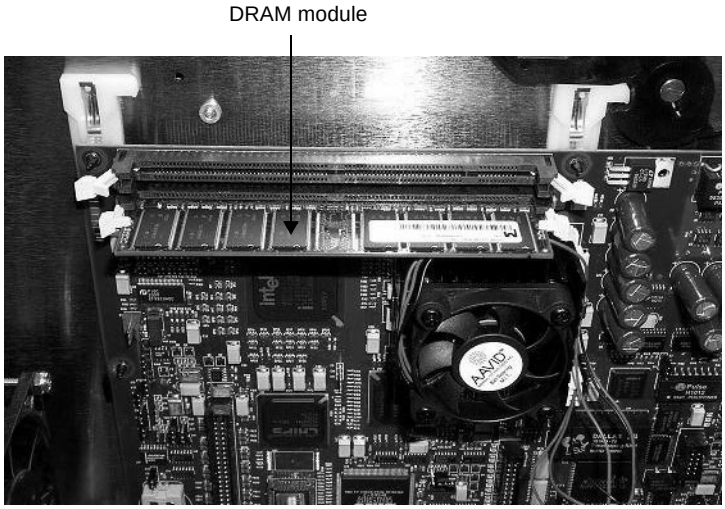
4. Remove the back cover from the unit, exposing the configuration bay and the CPU card.

Removing a DRAM Module

To remove a previously installed DRAM module, complete the following steps:

1. Locate the DRAM module(s) at the top of the CPU card, as shown in Figure 2. One or two modules may be present.

Figure 2: DRAM Module



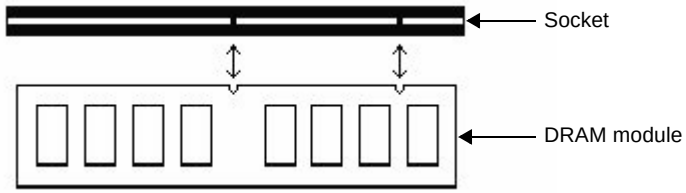
2. Push outward on the socket latches holding the module in its socket. As you push on the latches, the module will move outward.
3. Lift the module out of its socket.
4. Place the module in an anti-static bag for storage if you do not plan to reinstall it at this time.

Installing a DRAM Module

To install a DRAM module in the RS9/RSPC9, follow these steps:

1. Line up the two notches in the side of the module with the tabs inside the socket, as shown in Figure 3.

Figure 3: DRAM Module and Socket



2. Press the module into the socket until the socket latches snap into place.

Reassembling the Unit

To reassemble the unit, follow these steps:

1. Fit the two tabs in the top of the back cover into the two slots at the top of the configuration bay, and slide the back cover onto the unit.
2. Fasten the back cover to the unit by replacing the four retaining screws that you removed in step 3 on page 1.
3. Reconnect the unit to the power source.

Your DRAM installation or replacement is complete. You may now restart the system.