

HP Documentation

HP 9000 R Class Model R380 and R390 Owner's Guide

Determine System Memory Size

Reboot the system, at the Boot Console Interface prompt (PDC>), type *ma* to get the main menu. Then type *in* to get the information menu. Then type *me* to get the memory information. The memory status table provides the size of the cards installed in each slot and the system memory size.

Determine the PDC Revision

At the Boot Console Interface prompt (PDC>), type *in* to get the information menu. Then type *fv* to get the current processor dependent code (PDC) revision number.

System Shutdown

Perform an orderly shutdown of the HP-UX operating system. Reference the Owner's Guide for detailed instructions.

Power Down

Turn off the system power after the console indicates that the system has been halted. Disconnect the system power cable and the power cord of any peripheral devices from the ac wall outlets.

Remove the Top Cover

Attach the ESD Wrist Strap to the bare metal on the back panel of the system unit using the instructions on the 3M package. Remove the captive screws on each side of the rear of the server. Slide the top back, lift it off, and set it aside.

Installation Additional Memory

1. Locate the DIMMs currently installed on the CPU board.
2. Remove the memory sets (DIMMs) currently installed. Push down the ejector handle(s) to eject the DIMMs.
3. Organize all the DIMMs into the following five groups: 512MB sets, 256MB sets, and 128MB sets.
4. Install the sets (2 DIMMs) using the following guidelines. Start with the largest size cards first and work down to the smallest size (e.g. 256MB, 128MB, 64MB). Install the sets in the lowest numbered available slots to the highest numbered slots (e.g. 0A & 0B, 1A & 1B, 2A & 2B, ...).

Installing a DIMM into a Connector

Close the ejector levers (press the ejector levers into the up position). In order to install the DIMM correctly, the notched end (e.g. the side of the card where the card does **not** go straight up from the gold fingers) must be oriented toward the white ejector lever (front of the main tray). Insert the DIMM into the connector. Line up the middle of the DIMM (see the semicircle cutout in the middle of the gold fingers) with the middle section of the connector. With the DIMM positioned correctly, **firmly and evenly** press or seat the card into the connector. **Do not "rocker" the DIMM into the connector!** This may damage the DIMM or the connector. When the DIMM is correctly seated, it will "snap" into the connector. At this point, ensure that the ejector levers are in the up position.

Verify DIMMs are Seated Correctly

After all the DIMMs have been installed, check to ensure that they are seated evenly and that all the DIMMs are the same height. An incorrectly seated DIMM may stick out above the other.

Attach the Top Cover

Slide the top cover back on top of the system. Tighten the captive screws on each side of the rear of the server.

Verify the New System Memory

Power up the peripherals first, then power up the system. The system memory is automatically configured to the system by the software. If there is a problem with the memory, then the boot process could be halted, or the system could log warning messages.