

DRSM8000 Installation Manual

This manual describes how to install Dataram memory...

...into these Sun Microsystems systems

Dataram Memory Upgrade

DRSM8000/64GB
DRSM8000/128GB

Sun Memory Upgrade

SEM2C1Z
SEM2D1Z

SPARC Enterprise M8000

DRSM8000/64GB
DRSM8000/128GB

SEM2C1Z
SEM2D1Z

SPARC Enterprise M9000-32 and SPARC Enterprise M9000-64

System and Memory Configuration Overview

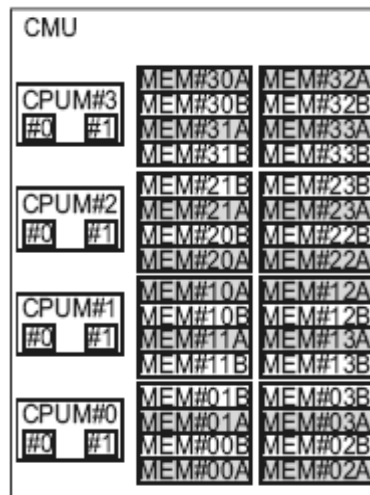
⚠ Caution: Refer to your system owner's manual for detailed instructions. System parts are sensitive to electrostatic discharge and can be damaged by the static charge you may carry. You should wear a grounded wrist strap.

The SPARC Enterprise M8000 can have from one to four CPU/Memory Boards (CMU's). Each CMU contains thirty-two DIMM slots supporting up to 256GB of Dataram memory. If all available memory slots are populated with 8GB DIMMs the systems holds a total of 1TB of Dataram memory.

The SPARC Enterprise M9000 has a 32 processor and 64 processor version. The M9000-32 can have from one to eight CPU/Memory Boards (CMU's). Each CMU contains thirty-two DIMM slots supporting up to 256GB of Dataram memory. If all available memory slots are populated with 8GB DIMMs the systems holds a total of 2TB of Dataram memory. The M9000-64 can have from one to sixteen CMU's. Each CMU contains thirty-two DIMM slots supporting up to 256GB of Dataram memory. If all available memory slots are populated with 8GB DIMMs the systems holds a total of 4TB of Dataram memory.

DIMMs on the CMU's are divided into two groups (A&B). DIMMs in group A must be the same or larger capacity than the DIMMs in group B. Group B can have the same number of DIMMs as group A, or it can have zero DIMMs. Memory modules must be identical in each group throughout all CMU's. Memory must be added 16 DIMMs at a time.

(Figure 1)



Dataram offers the following memory options, providing up to 1TB of memory for the M8000 and 4TB of memory for the M9000.

TYPE	SIZE	DESCRIPTION	DATARAM	SUN
DDR2-667	4GB	16 x 4GB 2R	DRSM8000/64GB	SEM2C1Z
DDR2-667	8GB	16 x 8GB 2R	DRSM8000/128GB	SEM2D1Z

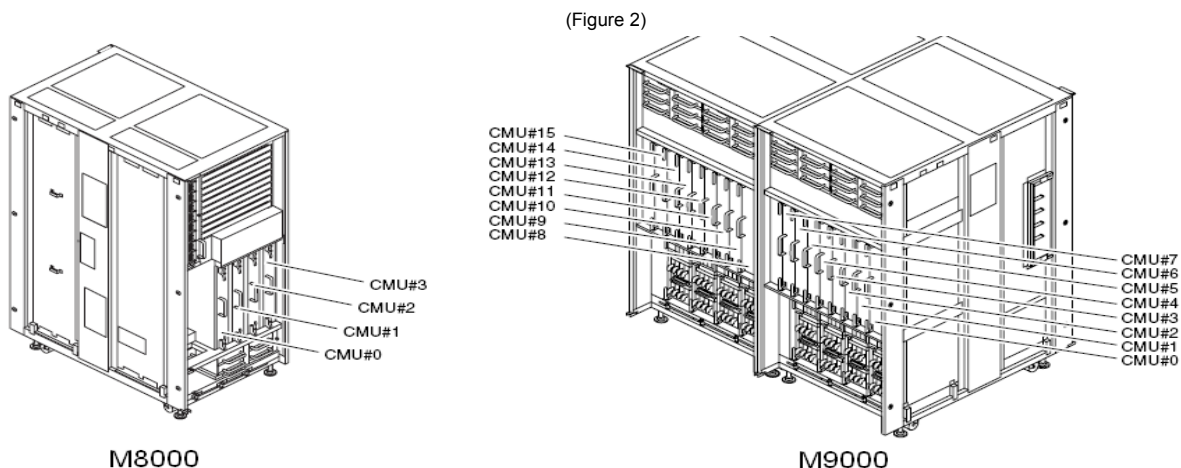
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Memory Installation

Note: Refer to your system owner's manual for detailed instructions.

- Power off the system and remove the CMU's. See figure 2 for the CMU layout.
- If you need to remove existing memory (to replace with higher density modules for example), do that now by pressing down on the ejection levers on both sides of module slots. Carefully pull the modules straight out of the slots and set them down on an antistatic mat. Remember memory modules installed in group A must have a higher capacity.
- Locate the DIMM slots in the group you wish to populate (See Figure 1). The system requires group A to be populated at a minimum.
- Open both ejector levers on each slot.
- Position a module over the slot so that the alignment notches on the DIMM match the notches on the connector.
- Press firmly on both top ends of the module, applying equal pressure until the module snaps into place. Lock the module in the socket by pushing up on the ejector levers until they are in their upright position.
- Continue to install the remaining memory modules until you have filled the group with identical modules. Repeat the above steps for each group of memory you wish to install.
- Reinstall the CMU's and power up the system.
- After you reboot, ensure the system recognizes the new memory configuration.



Dataram Customer Support

Dataram's Technical Support Program goes beyond the lifetime warranty, routine calls and questions. As memory specialists since 1967, we want to provide the most comprehensive level of service and support in the industry.

Our Customer Support representatives can answer your questions and give you information on system/memory configurations, upgrade options, product specifications, compatibility and other technical topics or issues.

If a Dataram memory board does not function properly we will issue a Return Material Authorization number (RMA#) for the return of the defective module(s) and express ship a repair or replacement to you at no charge.

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