



Sun Fire™ E2900/V1280 1.5GHz CPU/ Memory Board Upgrade Requirements



Caution – Failure to follow these procedures will cause your system to be unable to recognize the new CPU/Memory board.

Note – If a CPU/Memory board is sold as a field-replaceable unit (FRU), it must be used ONLY for replacement use. FRUs must not be used to upgrade CPU performance in systems. Such usage can violate United States export regulations.

CPU/Memory Board Rules

A CPU/Memory board might fail to function if the following rules are violated:

- The firmware on all boards (and other assemblies) in the system must be at the same level.
If different versions of boards are used in a system, the firmware level for all boards must be equal to (or greater than) the highest MINIMUM required by any board or assembly in the system.
- Any required firmware and software upgrades must be installed *before* you install the new board or assembly.

Firmware and Software Requirements

The 1.5GHz CPU/Memory boards require that the System Controllers for E2900 or V1280 systems have a minimum firmware level of SC-APP 5.19.1. The CPU/Memory board software also requires Solaris Operating System 10 (03/05 HW1) or Solaris Operating System 9 (09/05). If you upgrade a system by installing one or more 1.5GHz CPU/Memory boards, make sure that the system firmware and the Solaris™ Operating System meet these minimum requirements.

Checking the Firmware

Do not install a new CPU/Memory board if the firmware in the system does not meet the minimum requirements of the new board.

♦ To determine the firmware level, type:

```
lom> showboards -p proms
```

Refer to the system controller command reference manual for your system for information about software commands.

Upgrading the Firmware

Note – You can read about the latest firmware and software requirements, and download any required patches at:
<http://sunsolve.sun.com>

- If your system requires an upgrade of firmware, software, or both, install the upgrades, and any required patches, in this order:
 1. Upgrade the firmware first.
 2. Upgrade the software.
 3. Install the CPU/Memory board(s) last.
- To upgrade the firmware on all system boards (including CPU/Memory boards and I/O assemblies), use the `flashupdate` command:

```
lom> flashupdate -f <URL> scapp rtos  
lom> flashupdate -f <URL> systemboards
```

Refer to your system, *System Controller Command Reference Manual*, for the correct syntax to use for <URL>.



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