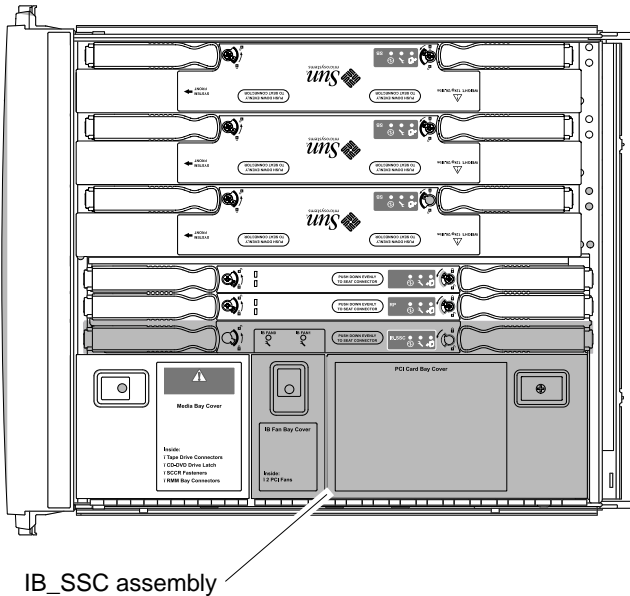


# Sun Fire™ IB\_SSC Assembly, Version 2 (Enhanced Memory) Installation Guide

Sun Fire™ V1280 System

The System Controller board in the Sun Fire™ IB\_SSC assembly, version 2, includes increased capacities of flash memory, dynamic memory, and non-volatile memory.

(Top view of system)



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## Identifying Your IB\_SSC Assembly Version

- ✦ To determine if version 2 of the IB\_SSC assembly has already been installed in the system, use the `showsc` command.

```
lom> showsc -v
```

If a “V2” notation appears next to “SSC1” in the output of command, a version 2 assembly is already installed in the system.

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# System Firmware Requirements<sup>1</sup>

**5.17.0:** version 2 of the IB\_SSC assembly continues to provide the functionality of your previous IB\_SSC assembly. 5.17.0 firmware enables version 2 to add the new system controller features.

**5.13.009 to 5.13.0014:** if your system currently uses 5.13.009 to 5.13.0014 firmware, version 2 of the IB\_SSC assembly continues to provide the functionality of your previous IB\_SSC assembly. (The new system controller features will be available only if the entire system is upgraded to 5.17.0 or subsequent compatible versions.)

- ♦ **To determine your system's firmware version, use the `showboards` command:**

```
lom> showboards -p version
```

For information about this software command, refer to the system controller command reference manual for your system.

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**Note** – You can read about the latest firmware requirements, and download patches at:

<http://sunsolve.sun.com>

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If your system requires an upgrade of firmware, upgrade the firmware before installing the new IB\_SSC assembly.

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<sup>1</sup> Sun Microsystems, Inc. reserves the right to introduce new board types and assemblies at any time. Sun also reserves the right to change firmware and software requirements at any time.

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## Installing the IB\_SSC Assembly, Version 2



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**Caution** – The chassis AC power cord(s) must remain connected to ensure a proper ground.

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**Caution** – To avoid damaging internal circuits, do not disconnect or connect any cable while the power is applied to the system.

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**Caution** – The IB\_SSC assembly and its modules have surface-mount components that can be broken by flexing the board.

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### 1. If the system needs a firmware upgrade, install it first:

```
lcom> flashupdate -f the appropriate URL systemboards
```

For an explanation of “appropriate URL,” refer to the system controller command reference manual for your system.

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**Note** – For detailed instructions about the following steps, refer to your system’s service manual. Be sure to read and follow the cautions in the system service manual.

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2. Bring the system to Standby mode.
3. If the system is mounted in a cabinet, extend and lock the cabinet stabilization bar before you slide the system out of the cabinet.
4. Place a padded ESD mat on a work surface close to the system.
5. Wear an ESD strap and connect it to the system.
6. Remove all PCI cards from the old IB\_SSC assembly.  
Be sure to label the I/O cables as you remove them. Place the PCI cards on the ESD mat or in ESD-safe packaging.

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**7. Remove the IB\_SSC assembly from the system.**



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**Caution** – Spring fingers and EMI gaskets sometimes detach from the IB\_SSC assembly and fall into the system. Make sure that the EMI gaskets and spring fingers do not fall into the system and cause damage.

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**Caution** – When removing and installing IB\_SSC assemblies, take extra care to keep the media bay cables out of the way to avoid damaging them.

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**8. Install the replacement IB\_SSC assembly.**

**9. Install the PCI cards in the IB\_SSC assembly and reconnect the I/O cables.**

**10. Power on the system.**

**11. If it is necessary to continue running an older version of firmware in the system, install the older version of firmware<sup>2</sup> in the IB\_SSC assembly:**

```
lom> flashupdate -f the appropriate URL scapp rtos
```

Refer to the system controller command reference manual for your system for an explanation of “appropriate URL.”

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<sup>2</sup> This step is not required under some circumstances. However, maintaining the same level of firmware throughout the entire system can simplify system maintenance and support.

## Accessing Sun Documentation

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