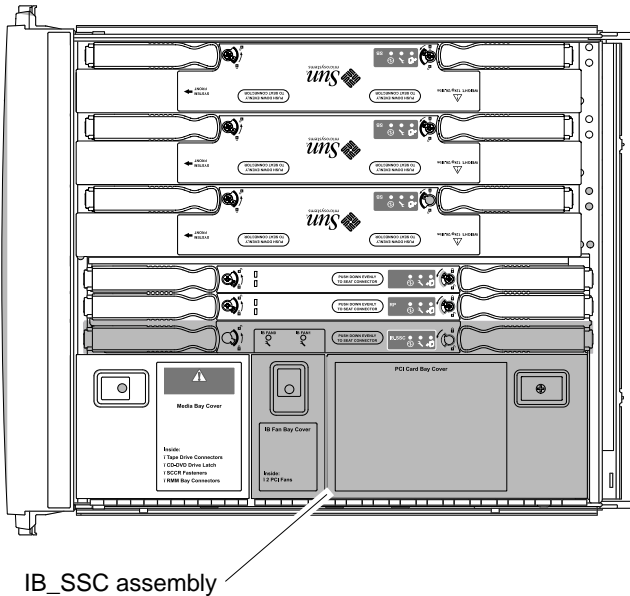# Sun Fire™ IB_SSC Assembly, Version 2 (Enhanced Memory) Installation Guide

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)

IB_SSC assembly

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.

System Firmware Requirements[1]

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.

Note – You can read about the latest firmware requirements, and download patches at:
`http://sunsolve.sun.com`

If your system requires an upgrade of firmware, upgrade the firmware before installing the new IB_SSC assembly.

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1. 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.

Installing the IB_SSC Assembly, Version 2

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

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

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

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

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

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

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.

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.

7. **Remove the IB_SSC assembly from the system.**

⚠️ **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.

⚠️ **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.

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[2] 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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2. 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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`http://www.sun.com/documentation`

Contacting Sun Technical Support

If you have technical questions about this product that are not answered in this document, go to:

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