Sun Fire™ E2900/V1280 PCI+ I/O Assembly Installation Guide

Firmware and OS Requirements

Note – If your system requires a software and firmware upgrade, upgrade the firmware first then upgrade the software. Install new PCI+ I/O assembly only after you have upgraded the firmware and software.

Note – 33MHz PCI adapters with 5V signaling are not supported in the PCI+ assembly (only 3.3V signaling is supported).

Sun Fire E2900/V1280 systems with a PCI+ I/O assembly require the following firmware and software versions:

- SCAPP firmware version 5.19.3 or subsequent compatible versions

Sun Fire E2900/V1280 systems with UltraSPARC® IV+ require the following operating systems:

- Releases beginning with Solaris 9 9/05, Solaris 10 3/05 HW1 Operating Systems

Sun Fire E2900/V1280 systems with only UltraSPARC III and/or UltraSPARC IV require the following operating systems:

- Solaris 8 2/04 plus latest KU plus patch, Solaris 9 9/05, Solaris 10 3/05 HW1 Operating Systems

  Refer to the SunSolve℠ patch portal at `sun.com` for the patch and the latest detail.

Processor Requirements

PCI+ I/O assemblies are supported in domains with the following processors:

- UltraSPARC III
- UltraSPARC IV+

Location of I/O Assembly

The I/O assembly (IB6) for these systems is a part of the IB-SSC assembly, see FIGURE 1.

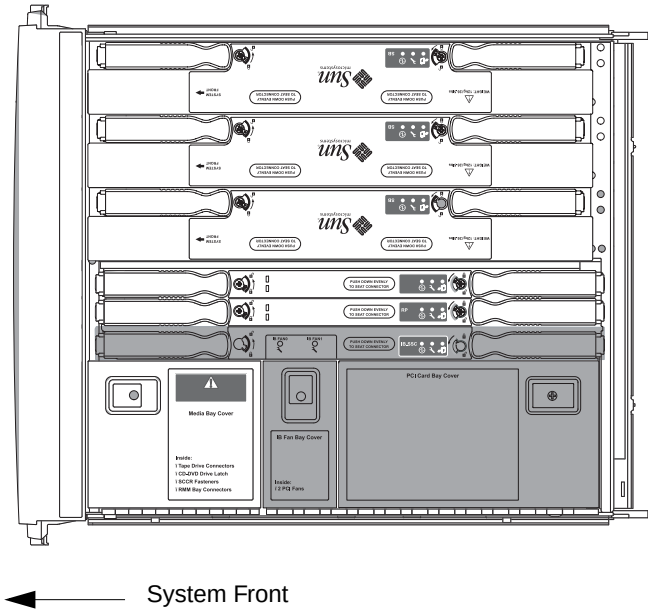

FIGURE 1 Location of IB_SSC Assembly

Removing and Replacing I/O Assembly

The I/O assembly for these systems (IB6) is part of the IB_SSC assembly. To replace IB6, the IB_SSC assembly must be replaced. Refer to the service manual for your system for the removal and replacement of the IB_SSC assembly as well as the removal and replacement of any PCI cards you want to retain from the old assembly. Once you have replaced the assembly and re-installed the I/O cards, restart your system.

Caution – Ensure that you remove the plastic covering protecting the connectors on the replacement IB_SCC assembly before installing or damage to the backplane can occur.

Note – Mixing different cards with different speeds within an IB6 leaf (two paired slots) is not recommended since leaf slots run at the lowest speed and the lowest mode for a given set of cards within a leaf. For example, if a 33Mhz PCI card is in slot 0 and a 66Mhz PCI card is in slot 1, then both slots on the leaf will run in the lower 33Mhz PCI mode. IB6 leafs are comprised of paired slots 0 and 1, 2 and 3, and 4 and 5. In addition, all slots will ONLY run in PCI+ mode. Thus, a higher speed card that is plugged in will run at either 33 or 66Mhz (dependent upon the speed of the card in the leaf pair slot).

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