



Sun Fire™ E6900/E4900/6800/4800 Systems PCI+ I/O Assembly Installation Guide

All systems: If PCI+ I/O assemblies are to be mixed with CompactPCI I/O assemblies, install the CompactPCI I/O assemblies only in IB8 or IB9 for cooling purposes.

Sun Fire™ E6900/6800 systems only: When you install PCI+ I/O assemblies, you can install them in either the top or bottom I/O locations. Populate the I/O assemblies from right to left.

Note – Check with your Sun Service representative for compatibility of your existing PCI adapters in your new assembly.

Location of I/O Assemblies

System	Slot Numbers	Slot Location
Sun Fire E6900/6800 System	IB6, IB7, IB8, and IB9	Rear—bottom right and left, top right and left
Sun Fire E4900/4800 System	IB6, IB8	Rear—bottom and top

Firmware and OS Minimum Requirements

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

Sun Fire E6900/E4900 systems and upgraded Sun Fire 6800/4800 systems require these versions:

- Firmware level 5.16.0 or subsequent compatible versions.
- Solaris 8 2/04 Operating System or subsequent compatible versions.
- SPARC III based systems require Solaris 8u7 + latest KU + patch 109873-21. Refer to the SunSolve patch portal at sun.com for the patch and the latest detail.

Removing a PCI I/O Assembly

1. Power off your system.

Refer to the Sun Fire Midrange Systems Platform Administration Manual for complete procedures for powering off the assembly.

2. Place a grounded ESD mat close to the system.

3. Attach a wrist strap or foot strap. Connect the ESD strap to the system.

4. Completely loosen the four captive Phillips screws

5. Simultaneously pull the two ejector levers outward to unseat the I/O assembly.

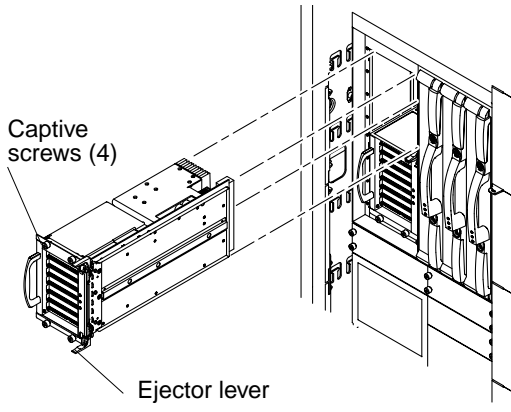
This action releases the board from the connectors.

6. Remove the assembly from the card cage.

7. Place the I/O assembly on an ESD mat that is on a work surface.

Installing a PCI+ I/O Assembly

1. Line up the I/O assembly with the I/O assembly opening.



2. Slide the I/O assembly into the I/O assembly opening.

The ejector levers should be on the inside of the I/O assembly and in the open position.



Caution – DO NOT FORCE any assembly into a slot; this can cause damage to the assembly and system. The assembly should insert and seat smoothly. If it binds, remove the assembly and inspect the card cage slot for any obvious obstructions.

3. Simultaneously press the two ejector levers inward.
4. Tighten the four captive Phillips screws.
5. Power on the system.

Refer to the Sun Fire Midrange Systems Platform Administration Manual for complete system procedures for powering on the assembly.

Note – After the system has been powered on, the Activated LED should be on (lit).

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