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Sun Microsystems, Inc., 4150 Network Circle, Santa Clara, CA 95054 U.S.A.  
650 960-1300, Fax 650 969-9131



# Sun Fire™ 6800/4810/4800/3800 Systems CompactPCI I/O Assembly Installation Guide

## Location of CompactPCI I/O Assemblies

| System               | Slot Numbers       | Location |
|----------------------|--------------------|----------|
| Sun Fire 6800 system | IB6, IB7, IB8, IB9 | Rear     |
| Sun Fire 4810 system | IB6, IB8           | Front    |
| Sun Fire 4800 system | IB6, IB8           | Rear     |
| Sun Fire 3800 system | IB6, IB8           | Front    |

When you install an I/O assembly into the Sun Fire™ 6800 system, you must install the CompactPCI I/O assembly in the top locations, for cooling purposes. If you have four CompactPCI I/O assemblies, you can install them in the top and bottom I/O locations. Populate the I/O assemblies from right to left.

When you install an I/O assembly into the Sun Fire 6800/4810/4800 system, you must install the CompactPCI I/O assembly in the top location, for cooling purposes.

If you have Compact PCI I/O assemblies already installed in the top and are adding more, install them in the bottom I/O locations.

For the Sun Fire 3800 system, it does not matter which I/O slot you install the CompactPCI I/O assembly into.

## Installing a CompactPCI I/O Assembly

1. **Attach a wrist strap or foot strap, and connect the ESD strap to the system. Place a grounded ESD mat close to the system.**

**Note** – The I/O assembly can be inserted into a powered-on system. The assembly will not be recognized by the system until the domain has been dynamically reconfigured to include the assembly. Refer to *Sun Fire 6800, 4810, 4800, and 3800 Systems Dynamic Reconfiguration User Guide* for complete procedures.

2. **Move the ejector levers on the I/O assembly to the open position.**  
The ejector levers must be 90 degrees perpendicular to the I/O assembly.



**Caution** – You must install the I/O assembly within one minute of removing the filler panel to prevent overheating.

3. **Remove the filler panel from the front of the I/O assembly location and store it for possible future use.**

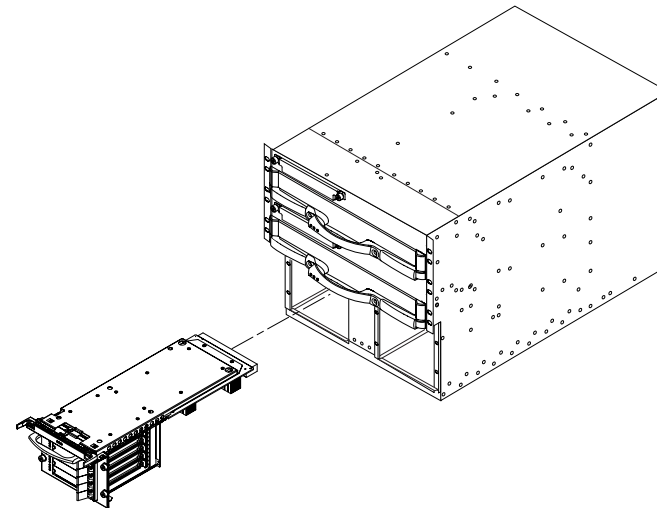


**Caution** – DO NOT FORCE any I/O assembly into an opening; this can cause damage to the assembly and system. The assembly should insert and seat smoothly. If it binds, remove the assembly and inspect the card cage slot for any obvious obstructions.

4. **Line up the I/O assembly with the I/O assembly opening.**
5. **Hold the I/O assembly with one hand on the handle and the other hand underneath the assembly, guide the assembly into the card guides.**
6. **Simultaneously press the two ejector levers inward to the closed position.**
7. **Tighten the four captive Phillips screws.**



**Caution** – Before the assembly is powered on, make sure ALL slots in the I/O assemblies are filled—by CompactPCI cards OR filler cards. If the I/O assembly is not installed, a filler panel MUST be installed in its place.



8. **Dynamically reconfigure the I/O assembly back into the system.**  
Refer to the *Sun Fire 6800, 4810, 4800, and 3800 Systems Dynamic Reconfiguration User Guide*.

**Note** – The Activated LED (Ⓢ) should be on (lit).

## Removing a CompactPCI I/O Assembly

1. **Prepare the system for removal of the CompactPCI I/O assembly.**  
If the assembly is being used by the Solaris Operating Environment, identify the assembly to be removed. Refer to the *Sun Fire 6800, 4810, 4800, and 3800 Systems Dynamic Reconfiguration User Guide* for complete procedures before removing the I/O assembly.
2. **Wait until the LEDs indicate that the assembly is out of the domain.**

**Note** – In order to safely remove the I/O assembly from the system, the green Activated LED (Ⓢ) on the board must be off (not lit) and the amber OK to remove LED (Ⓢ) must be on (lit).

3. **Attach a wrist strap or foot strap, and connect the ESD strap to the system.**
4. **Place a grounded ESD mat close to the system.**
5. **Be sure that you have a filler panel ready.**
6. **Loosen the four captive Phillips screws.**
7. **Simultaneously push the two ejector levers outward to unseat the assembly.**  
The ejectors must be perpendicular to the I/O assembly. This action releases the board from the connectors.
8. **With one hand holding the handle and the other hand underneath the assembly for support, slide the assembly out of the card cage.**
9. **Place the assembly on the ESD mat on a work surface.**
10. **Install the filler panel.**
11. **Tighten the four captive Phillips screws.**