Related Hardware Documents

This section contains descriptions of hardware documentation for products related to the Sun StorEdge A5000 Disk Array.

Part Number	Document Title
802-7572	*Sun StorEdge SBus FC-100 Host Adapter Installation and Service Manual* Contains installation and service information for the Sun StorEdge SBus FC-100 host adapter, including generic installation instructions and remove and replace procedures for gigabit interface converters (GBICs).
805-3682	*Sun StorEdge PCI FC-100 Host Adapter Installation and Service Manual* Contains installation for the PCI FC-100 host adapter.
805-0315	*Sun StorEdge FC-100 Hub Installation and Service Manual* Contains installation and service information for the Sun StorEdge FC-100 Hub.
805-2704	*Sun Enterprise 6x00/5x00/4x00/3x00 Systems SBus+ I/O Boards Installation Guide* Provides instructions for the installation or replacement of the Sun Enterprise SBus+ I/O boards. The SBus+ board supports three SBus cards. These boards can be installed in Sun Enterprise 6x00, 5x00, 4x00, and 3x00 systems.
802-5034	*Sun Enterprise Caster Base Installation Guide* Describes how to stack a Sun StorEdge A5000 Disk Array on a Sun Enterprise 4x00 system and caster base.
805-1990	*Sun StorEdge FC-100 Hub Rackmounting Installation Card* This 2x3-inch card refers users to 805-0315 for instructions on installing hubs in a rack. It also refers users to 802-6945 for rack placement information.
802-7571	*GBIC Installation Card* This 2x3-inch card refers users to 802-7572 and 802-7573 for instructions on installing gigabit interface converters (GBICs).
805-0070	*Sun StorEdge A5000 Rackmounting Card* This 2x3-inch card refers users to 802-7573 for instructions on installing the disk array in a rack. It also refers users to 802-6945 for rack placement information.
805-0071	*X-Option Installation Card* This 2x3-inch card refers users to 802-7573 for instructions on installing x-options in the disk array.

Sun Documentation on the Web

The docs.sun.com web site enables you to access Sun technical documentation on the Web. You can browse the docs.sun.com archive or search for a specific book title or subject at:

http://docs.sun.com

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Sun StorEdge™ A5000 Installation and Documentation Guide

Includes the Entire Series of StorEdge A5000 Disk Arrays (Formerly the Sun Enterprise Network Array™)

Gigabit interface converter

Fiber optic cable

Sun StorEdge SBus FC-100 Host Adapter

Interface board

Sun StorEdge FC-100 Hub

Sun StorEdge A5000 Disk Array

Sun microsystems
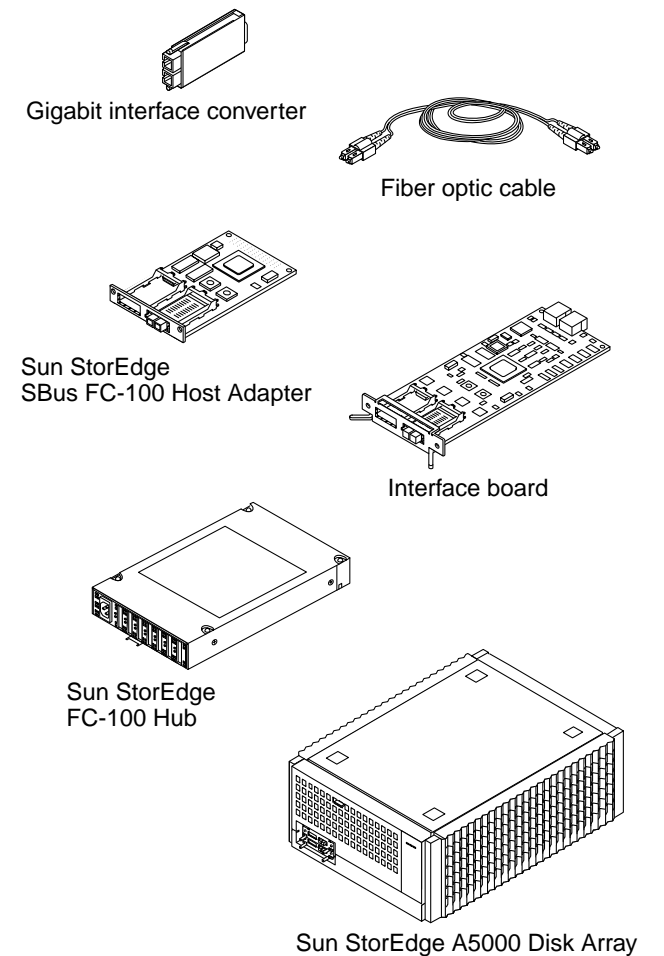
Installing the Hardware

This following is an overview of the hardware tasks to install Sun™ StorEdge™ A5000 series disk arrays or preconfigured rack systems.

1. **Read the** *Sun StorEdge A5000 Product Notes* **and the online** *Sun StorEdge A5000 Installation Supplement.*
   Contact your service provider if you do not have access to the web.

2. **Plan the configuration.**
   Refer to the *Sun StorEdge A5000 Hardware Configuration Guide.*

Note – For preconfigured expansion cabinet systems, go to Step 6.

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3. **Install the disk array(s).**
   Refer to the *Sun StorEdge A5000 Installation and Service Manual.*

4. **Install additional interface boards and/or gigabit interface converters (GBICs) in the disk array(s), if needed.**
   Refer to the *Sun StorEdge A5000 Installation and Service Manual.*

5. **If the installation will use hub(s), install the hub(s) in the cabinet.**
   Refer to the *Sun StorEdge FC-100 Hub Installation and Service Manual.*

6. **Install the host adapter(s) in the host(s).**
   Refer to the manual that was shipped with your host adapter.

Note – For Sun Enterprise™ 6*x*00, 5*x*00, 4*x*00, and 3*x*00 systems, you may not need to install additional host adapters. The SBus+ I/O boards available for these systems have two built-in GBIC ports.

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7. **Ensure that the disk drives and GBICs are properly seated in the disk array(s). For preconfigured expansion cabinet systems, also ensure that the fiber optic cables are properly connected.**

8. **If you will have more than one disk array connected to a loop, make sure the Box ID for each disk array is set to a unique value (0–3).**
   Refer to the FPM section of the *Sun StorEdge A5000 Installation and Service Manual.*

9. **If you are going to access the disk array(s) using the** `luxadm` **command, enter a Box Name for each disk array.**
   Refer to the FPM section of the *Sun StorEdge A5000 Installation and Service Manual.*

10. **Connect the fiber optic cables.**
    Refer to the *Sun StorEdge A5000 Hardware Configuration Guide* and the documentation that came with the devices that you are connecting.

11. **Use the front panel module to check the hardware installation.**
    Refer to the *Sun StorEdge A5000 Installation and Service Manual.*

Installing Sun StorEdge Volume Manager

The steps you need to perform when installing the Solaris™ operating environment and Sun StorEdge™ Volume Manager (volume manager) software depend upon whether the Solaris operating environment has already been installed on your system.

Note – Sun StorEdge Volume Manager software was formerly known as Sun™ Enterprise™ Volume Manager software.

Installing New Software

1. **Read the** *Sun Enterprise Volume Manager Release Notes* **and the online** *Sun StorEdge A5000 Installation Supplement.*
   Contact your service provider if you do not have access to the web.

2. **Install the Solaris operating environment.**
   The minimum requirement is Solaris 2.5.1 Hardware: 8/97.

3. **Install applicable Solaris patches.**
   Patches are available through links in the *Sun StorEdge A5000 Installation Supplement.*

4. **Install the volume manager software.**
   Refer to the *Sun StorEdge Volume Manager Installation Guide.*

5. **Install applicable volume manager patches.**
   Patches are available through links in the *Sun StorEdge A5000 Installation Supplement.*

6. **Check the software installation using the** `luxadm` **command.**
   Refer to *Platform Notes: Using* `luxadm` *Software.*

7. **Initialize volume manager and set up the volumes.**
   Refer to the *Sun StorEdge Volume Manager Installation Guide.*

Upgrading Existing Software

1. **Read the** *Sun Enterprise Volume Manager Release Notes* **and the online** *Sun StorEdge A5000 Installation Supplement.*
   Contact your service provider if you do not have access to the web.

2. **Upgrade the volume manager software.**
   Refer to the *Sun StorEdge Volume Manager Installation Guide.*

3. **Install applicable volume manager patches.**
   Patches are available through links in the *Sun StorEdge A5000 Installation Supplement.*

4. **Upgrade the Solaris operating environment, if needed.**
   The minimum requirement is Solaris 2.5.1 Hardware: 8/97.

5. **Install applicable Solaris patches.**
   Patches are available through links in the online *Sun StorEdge A5000 Installation Supplement.*

6. **Check the software installation using the** `luxadm` **command.**
   Refer to *Platform Notes: Using* `luxadm` *Software.*

7. **Initialize volume manager and set up the volumes.**
   Refer to the *Sun StorEdge Volume Manager Installation Guide.*

Hardware Documents

This section contains descriptions of hardware documentation for the disk array.

Part Number	Document Title
802-7573	*Sun StorEdge A5000 Installation and Service Manual* Contains installation and service information for the Sun StorEdge A5000 Disk Array. This document covers generic cabling and installation procedures, details the operation of the front panel display, and explains how to remove and replace FRUs and add X-options.
805-0264	*Sun StorEdge A5000 Hardware Configuration Guide* Describes supported hardware configurations of Sun StorEdge A5000 Disk Arrays.
805-1018	*Sun StorEdge A5000 Product Note* Contains changes or additions to the above documents.
805-4516	*Sun StorEdge A5000 Installation Supplement* Contains installation and operational information for the Sun StorEdge A5000 Disk Array. It is available in the "Storage & Peripherals" section of the `http://docs.sun.com` website.