Sun StorEdge™ PCI Dual Ultra3 SCSI Host Adapter Release Notes

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Sun StorEdge PCI Dual Ultra3 SCSI Host Adapter Release Notes

These release notes contain essential information you need for installing and using the Sun StorEdge PCI Dual Ultra3 SCSI host adapter. The information in these release notes supplements the *Sun StorEdge PCI Dual Ultra3 SCSI Host Adapter Installation Guide*, p/n 816-2156.

This document contains the following sections:

Qualified Platforms

The supported host platforms for this product are:

- Netra™ 20 server
- Netra 120 server
- Netra t 1400/1405 server
- Sun Blade™ 1000 workstation
- Sun Blade 2000 workstation
- Sun Enterprise™ 220R server
- Sun Enterprise 250 server
- Sun Enterprise 420R server
- Sun Enterprise 450 server
- Sun Fire™ V120 server
- Sun Fire V210 server
- Sun Fire V240 server
- Sun Fire 280R server
- Sun Fire V480 server
- Sun Fire V880 server
- Sun Fire V1280 server
- Sun Fire 4800 server
- Sun Fire 4810 server
- Sun Fire 6800 server
- Sun Fire 12K server
- Sun Fire 15K server
- Ultra 60 workstation
- Ultra 80 workstation

This product supports the following storage systems:

- Sun StorEdge 3310 SCSI array
- Sun StorEdge D2 array
- Sun StorEdge S1 array

This product supports the following operating environments:

- Solaris™ 8 and Solaris 9 operating environments and later with the Recommended Patch Cluster

Bootability

To boot a host through a Sun StorEdge PCI Dual Ultra3 SCSI host adapter, follow the procedures in Chapter 2, "Enabling the Host to Boot Through the Host Adapter" in the *Sun StorEdge PCI Dual Ultra3 SCSI Host Adapter Installation Guide*, p/n 816-2156. An online copy of the installation guide is available from the web site listed in "Software and Documentation Download Sites" on page 5.

Known Limitations

- **Bug 4636710**: PCI dynamic reconfiguration on a Sun Fire V880 server is not supported with the Sun StorEdge PCI Dual Ultra3 SCSI host adapter.

Documentation Issues

The following three corrections apply to the *Sun StorEdge PCI Dual Ultra3 SCSI Installation Guide*, 816-2156-11:

1. **In the screen example in Step 3 on page 29, the slice should be 7, as shown in the following screen example.**

```
# ufsdump 0f - /dev/rdsk/c0t0d0s7 | ( cd /mnt;ufsrestore -rf -)
```

2. **The default jumper settings of jumpers J8 and J9 changed in June of 2003 so that the SCSI Bus 1 has a manual termination at the host adapter. Therefore, under the "Cabling and Termination" heading on page 34, change:**

Jumper J8: 1-2 : Low order byte of port 1 (J1 connector)

Jumper J9: 1-2 : High order byte of port 1 (J1 connector)

to:

Jumper J8: 2-3 : Low order byte of port 1 (J1 connector)

Jumper J9: 2-3 : High order byte of port 1 (J1 connector)

3. **In Table B-1, "Physical Dimensions," on page 37, meters should be millimeters.**

Qualified Cables

TABLE 1 lists the qualified cables for connecting the Sun StorEdge 3310 SCSI and Sun StorEdge D2 arrays, and TABLE 2 lists the qualified cables for connecting the Sun StorEdge S1 array to the Sun StorEdge PCI Dual Ultra3 SCSI host adapter.

You can order cables using the *marketing* part numbers shown in the tables. You can use the *manufacturing* part numbers in the table to determine whether any already-purchased cables are supported. Do this by comparing the provided numbers against the manufacturing part numbers that are stamped on the cables.

TABLE 1 Qualified Cables for the Sun StorEdge 3310 and Sun StorEdge D2 Arrays

Cable Type and Length	Marketing Part Number	Manufacturing Part Number
SCSI, VHDCI/VHDCI, 0.8 m	X1136A	530-2982-01
SCSI, VHDCI/VHDCI, 1.2 m	X1137A	530-2983-01
SCSI, VHDCI/VHDCI, 2 m	X1138A	530-2538-01
SCSI, VHDCI/VHDCI, 4 m	X3830B	530-2984-01
SCSI, VHDCI/VHDCI, 10 m	X3831B	530-2985-01

TABLE 2 Qualified Cables for the Sun StorEdge S1 Array

Cable Type and Length	Marketing Part Number	Manufacturing Part Number*
SCSI, HD-68/VHDCI, 0.8 m	X1132A	530-2452-02
SCSI, HD-68/VHDCI, 2 m	X3832A	530-2453-02
SCSI, HD-68/VHDCI, 4 m	X3830A	530-2454-02
SCSI, HD-68/VHDCI, 10 m	X3831A	530-2455-02

* Cables with part numbers ending with -01 are not supported for use with the Sun StorEdge S1 array.

Downloading and Installing the Driver Packages, Patches, and Documentation

TABLE 3 lists the web sites from which you can download the driver, required patches, and documentation

TABLE 3   Software and Documentation Download Sites

Software	Download Web Site	Notes
Driver	`wwws.sun.com/software/download`	See "Downloading and Installing Driver Packages and Patches."
Patches	`www.sun.com/sunsolve`	
Documentation	`www.sun.com/products-n-solutions/` `hardware/docs/Network_Storage_Solutions/` `Adapters` `docs.sun.com`	The *Sun StorEdge PCI Dual Ultra3 SCSI Host Adapter Installation Guide* is posted at these sites, and the translated versions of these release notes will be posted at these sites when they become available.

TABLE 4 shows the required driver packages and patches.

TABLE 4   Driver Packages and Patches for Solaris 8 and 9 Operating Environments (Task Map)

	Name	Where Described
Driver Packages	Sun StorEdge PCI Dual Ultra3 SCSI Host Adapter, version 1	• "To Download and Install the Driver Packages" on page 6
Patches	• The appropriate Solaris Recommended Patch Cluster for the version being used • The latest S9 QUS Driver Patch #112706-*XX* • The latest S8 QUS Driver Patch #112697-*XX*	• "To Download and Install the Solaris Recommended Patch Cluster" on page 7 • "To Download and Install the Driver Patch" on page 8

▼ To Download and Install the Driver Packages

1. **Log into the host to be connected to the array.**

2. **Go to** `wwws.sun.com/software/download`.

3. **Under "Browse All Products," click "View All."**

4. **Under "s - z," find "Sun StorEdge PCI Dual Ultra3 SCSI Host Adapter v1.0" and click the link.**

5. **Register, and/or enter your Username and Password, and click "Login."**

6. **Read the License Agreement, click "Yes" if you accept, and click "Continue."**

7. **On the Sun StorEdge(TM) PCI Dual Ultra3 SCSI Host Adapter 1.0 page, find the packages listed under the column heads for one of the following operating environments:**

   - Solaris 8/SPARC Platform
   - Solaris 9/SPARC Platform

8. **Download the required packages by double-clicking on the link to each desired file, and in the "Save As" dialog box, enter a destination directory for the file, and click the "OK" button.**

   a. **Download the drivers.**

      - For 32-bit and 64-bit configurations, download the following two files:
        - `SUNWqus.tar.Z`
        - `SUNWqusu.tar.Z`
      - For a 64-bit configuration, also download the following two files:
        - `SUNWqusx.tar.Z`
        - `SUNWqusux.tar.Z`

   b. **Download the README file:** `PCI_HBA_ReadMe.txt`.

9. **Follow the instructions in the README to install the packages.**

   The sequence in the instructions is as follows:

   a. **Uncompress the downloaded** `zip` **files.**

   b. **Extract the packages from the** `tar` **files.**

   c. **Install the packages.**

   d. **Reboot with the** `-r` **option to reconfigure the system.**

▼ To Download and Install the Solaris Recommended Patch Cluster

1. **Log into the host to be connected to the array.**

2. **In a browser, go to** `www.sun.com/sunsolve`**.**

3. **Under "SunSolve Patch Contents," click "Patch Portal."**

4. **Under "Downloads" and under "Recommended and Security Patches," click "Recommended and Security Patches."**

5. **Read the SOFTWARE LICENSE AGREEMENT and click the "Agree" button.**

6. **In the "Recommended & Security Patch Clusters for Solaris" table, find "Solaris 8," "Solaris 8 x86," "Solaris 9" or "Solaris 9 x86" in the OS column, and click the appropriate "View Readme" in the Clusters column.**

7. **Print or save the** `# CLUSTER_README` **from the browser window.**

8. **Click the browser's "Back" button to return to the previous page.**

9. **In the "Solaris 8," "Solaris 8 x86," "Solaris 9" or "Solaris 9 x86" row, click "HTTP" or "FTP" (as desired) in the Clusters column.**

10. **In the "Save As" dialog box, enter a destination directory for the patch cluster, and click the "OK" button.**

11. **Follow the procedure in the** `# CLUSTER_README` **to install the patches.**

▼ To Download and Install the Driver Patch

1. **Log into the host to be connected to the array.**

2. **In a browser, go to** `www.sun.com/sunsolve`**.**

3. **Under "SunSolve Patch Contents," click "Patch Portal."**

4. **Under "PatchFinder," enter one of the patch numbers given below, and press the "Find Patch" button.**
   - **112706 for Solaris 9**
   - **112697 for Solaris 8**

5. **Print or save the patch instructions from the browser window.**

6. **Click either the HTTP or FTP link in "[Download Patch (*nnn,nnn* bytes) HTTP FTP]."**

7. **In the "Save As" dialog box, enter a destination directory for the patch, and click the "OK" button.**