QLogic SANbox 5600/5602 Stackable FC Switch Hardware Release Notes

For Installation in Sun™ Storage Area Networks

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QLogic SANbox 5600/5602 Stackable FC Switch Hardware Release Notes

This document contains important information about the QLogic SANbox 5600 and SANbox 5602 Stackable Fibre Channel (FC) switch hardware installed in Sun™ storage area networks (SANs).

Note – The only difference between the QLogic SANbox 5602 and 5600 switches is that the 5602 has two hot-swappable power supplies, while the 5600 has one fixed power supply.

Read this document so that you are aware of issues or requirements that can impact the installation and operation of the QLogic SANbox 5600 and 5602 FC switch in a Sun SAN.

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This document contains the following sections:

Product Features

The QLogic SANbox 5600 and 5602 FC switches are 4-Gbit Fibre Channel switches that offer low price per port connectivity. The base QLogic SANbox 5600 and 5602 FC switch has the following ports:

- Eight 4-Gbit ports enabled initially
- Capability to add ports in 4-port increments up to a maximum of 20 ports
- Four 10-Gbit ISL ports
- Capability to move a currently licensed port to another port. This allows the activation of up to all four 10-Gbit ISL ports with only an eight port license.

Note – The capability to move a licensed port to another port requires firmware version 6.7.0.07 (minimum) and Enterprise Fabric Suite (EFS) version 6.07.05 (minimum).

Additional QLogic 560*x* FC switches can be stacked together by using the QLogic SANbox 5600 and 5602 FC switch 10-Gbit ISL ports. QLogic 5200 FC switches can also be included in the stack. Thus, a total of six QLogic 5200 and 560*x* FC switches can be stacked together to create a maximum of 96 2-Gbit or 4-Gbit ports. (For switch stacking details, refer to the QLogic documentation listed in "Related Documentation" on page 6.)

Switch Requirements

This section describes some special requirements for the QLogic SANbox 5600 and 5602 FC switches. The following topics are discussed:

- "Shipping or Moving a Rackmounted QLogic 5600 FC Switch" on page 3
- "Shipping or Moving a Rackmounted QLogic 5602 FC Switch" on page 3
- "Firmware Requirements" on page 3
- "Installing the Switch Into an Existing Fabric" on page 4
- "Management Software" on page 4

Shipping or Moving a Rackmounted QLogic 5600 FC Switch

When mounting the QLogic SANbox 5600 FC switch in the equipment rack, you must use the accessory mounting L-brackets supplied with the switch.

Caution – The supplied mounting L-brackets are not approved for moving or shipping a QLogic SANbox 5600 FC switch installed in an equipment rack. The brackets cannot sustain impacts and vibration associated with equipment relocation.

To move or ship a rack with a QLogic SANbox 5600 FC switch mounted in the rack you must do one of the following:

- Remove the switch from the rack
- Use rack mounting kit SG-XSWQLG5200-RK-Z, which is designed for shipping the rack with the switch installed.

Shipping or Moving a Rackmounted QLogic 5602 FC Switch

To move or ship a rack with a QLogic SANbox 5602 FC switch mounted in the rack, you must do one of the following:

- Remove the switch from the rack
- Use rack mounting kit SG-XSWQLG5200-RK-Z, which is designed for shipping the rack with the switch installed.

Firmware Requirements

For complete feature functionality, upgrade the SANbox 5600 or 5602 FC switch to the minimum required firmware version 6.7.0.07. Features of this version include:

- Support for EFS
- Support for stacking of six switches
- Ability to move port licenses

The latest firmware patch ID for this version is 128175-01. See the section "Downloading and Installing Patches" on page 5 for further information regarding the installation of this patch.

Installing the Switch Into an Existing Fabric

If you are installing a QLogic SANbox 5600 and 5602 FC switch into an existing fabric that has a QLogic switch or a Sun StorEdge™ Network FC switch, you must do the following:

1. Remove all 1-Gbit QLogic and Sun StorEdge Network 1-Gbit FC switches from the fabric.

2. Upgrade any QLogic or Sun StorEdge Network 2-Gbit FC switches to the minimum firmware version 5.0.1.10. The patch ID for this firmware is 119553. See the section "Downloading and Installing Patches" on page 5 for further information regarding the installation of patches.

Management Software

You can manage the QLogic SANbox 5600 and 5602 FC switches using Enterprise Fabric Suite (EFS), QuickTools, or the CLI. TABLE 1 summarizes the management software and firmware version compatibility requirements for the SANbox 5600 and 5602 FC switches.

TABLE 1 Management Software and Firmware Version Compatibility

Firmware Version	Firmware Patch ID	Management Software Version
5.0.1.10	119553-03	SANSurfer Switch Manager 5.00.05
6.7.0.07	128175-01	EFS 6.07.05 (minimum)

EFS Requirements

If using EFS, firmware version 6.7.0.07 is required. For further SANbox 5600 and 5602 FC switch firmware information, see the section "Firmware Requirements" on page 3. See the section "Downloading EFS" on page 4 for the EFS software downloading procedure.

▼ Downloading EFS

1. **Access the following QLogic web site:**

   http://lk.qlogic.com/productfeatureautomation/Home.aspx?id=m13

2. **Under the Download section, click Enterprise Fabric Suite 2007 - Download Center.**

3. **Type the CD serial number and click Continue.**

4. **Read and accept the license agreement.**

5. **Download the software.**

Downloading and Installing Patches

The section that follows provides instructions for downloading and installing patches for the QLogic SANbox 5600/5602, as well as any other QLogic or Sun StorEdge Network 2-Gbit FC switches. See the sections "Firmware Requirements" on page 3 and "Installing the Switch Into an Existing Fabric" on page 4 for the required or recommended firmware versions and associated patch IDs.

▼ Downloading Patches

1. **Access the SunSolve**^{SM} **web site at:**

    http://sunsolve.sun.com

2. **Read and accept the terms and conditions of the License Agreement.**

3. **From the Support category, select Patches and Updates.**

4. **Under PatchFinder, type the patch ID and click Find Patch.**

    Do not type the -xx revision number. PatchFinder automatically finds the latest patch.

5. **Verify that you have retrieved the correct patch.**

6. **Print the page.**

    Printing this page also prints the patch README file, which contains the installation instructions, special instructions, special guidelines, and notes.

7. **Download the patch by clicking on either HTTP or FTP as shown in the following line:**

    Download Patch (*nn,nnn,nnn* bytes) HTTP FTP.

8. **Click PatchFinder and repeat the process from Step 4 for each patch.**

Patch Installation

When you are finished downloading all the patches, install the patches by following the instructions in each patch README file.

Related Documentation

For installation instructions, refer to the following QLogic documents:

- *SANbox 5000 Series Fibre Channel Switch Installation Guide* (Firmware Version 6.7)
- *SANbox 5000 Series Quick Start Guide*

For other important information regarding the QLogic SANbox 5600 and 5602 FC switches and firmware, refer to the following files. These files are located on the product CD that comes with the switch and the QLogic web site at

http://support.qlogic.com/support/sun_page.asp

- `FirmwareReadme_6.7.0.07.txt`
- `FirmwareReleaseNotes_6.7.0.07.txt`

Service Contact Information

If you need help installing or using this product in the United States, call 1-800-USA-4SUN, or go to:

http://www.sun.com/service/contacting/index.html