[Quick Start Guide]

FIBRE CHANNEL SWITCH INSTALLATION

QLOGIC

Purchasers of OEM products should consult with the OEM for support.

Please feel free to contact your QLogic-approved reseller or QLogic Technical Support at any phase of integration for assistance. QLogic Technical Support can be reached by the following methods:

Web	http://support.qlogic.com
E-mail	support@qlogic.com

The QLogic knowledge database contains troubleshooting information for the QLogic adapters. Access the database from the QLogic Support Web page, http://support.qlogic.com. Use the Support Center search engine to look for specific troubleshooting information.

Quick Start Guide

Installation Instructions

Congratulations on your purchase of the QLogic 5800V Series Stackable Fibre Channel Switch. This guide describes the steps to install and activate your new switch using a Windows® workstation. For advanced options and instructions (including Solaris®, Linux®, and Mac OS X® installations), refer to the *QLogic 5800V Series Stackable Fibre Channel Switch Installation Guide*, which is available at www.qlogic.com.

NOTE: Do not apply power to the switch until instructed in Step 5.

Step 1. Verify the Package Contents

The QLogic 5800V Series Fibre Channel Switch is shipped with the following items:

1	QLogic 5800V Series Stackable Fibre Channel Switch
1	AC power cord (5800V)
2	AC power cords (5802V)
4	Rubber feet
1	Enterprise Fabric Suite CD (free 30-day trial)

Depending on which QLogic 5800V Series Switch you ordered, it may also include SFP transceivers and/or XPAK switch stacking cables. XPAK switch stacking cables connect QLogic 5800V Series switches together through the XPAK ports.

NOTE: If you ordered SFPs and XPAK switch stacking cables separately, they will arrive in a different package. XPAK switch stacking cables connect QLogic 5800V Series Switches together through the XPAK ports.

Step 2. Mount the Switch

- ❑ For a surface mount, attach the rubber feet to the locations on the bottom of the switch. For a rack mount, install the QLogic 3000/5000 series rail kit and the switch in a standard 19" rack as described in the *QLogic 3000/5000 Series Fibre Channel Switch Rack Mounting Guide*.

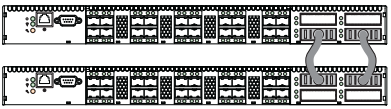
Step 3. Stack Switches

You can connect up to six switches together through the XPAK ports using XPAK switch stacking cables. Stacking provides performance and fail-over while preserving ports for devices.

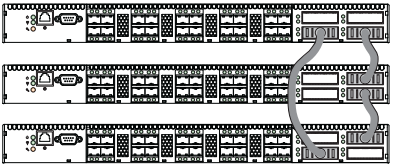
- For a 2-switch stack, use two 3-inch stacking cables.
- For a 3-switch stack, use two 3-inch stacking cables and one 9-inch stacking cable.
- For a 4-switch stack, use three 3-inch stacking cables and three 9-inch stacking cables.
- For a 5-switch stack, use four 3-inch stacking cables and six 9-inch stacking cables.
- For a 6-switch stack, use two 3-inch stacking cables and six 9-inch stacking cables.

❑ Remove the XPAK port covers according to the instructions provided with the stacking cables. Connect two, three, four, five, or six switches into stacks.

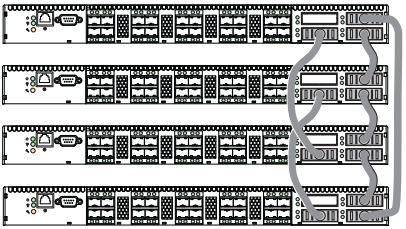
2-SWITCH STACK



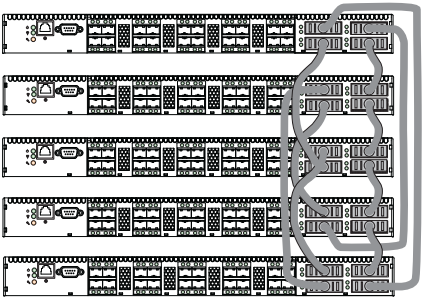
3-SWITCH STACK



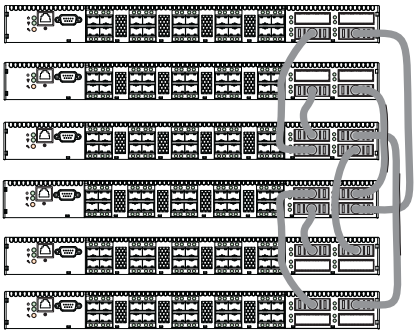
4-SWITCH STACK



5-SWITCH STACK



6-SWITCH STACK



Step 4. Install Transceivers

An SFP transceiver is required for each SFP port that will be connected to a device or another switch. The SFP ports support 2Gbps, 4Gbps, and 8Gbps transmission. The XPAK ports support 10Gbps transmission and can be upgraded to 20Gbps with a license key.

The standard switch model activates SFP ports 0–7 plus the XPAK ports (20–23). You can activate ports 8–19 in four-port increments with the purchase of a Port Activation license key. Contact your authorized reseller for information about license keys.

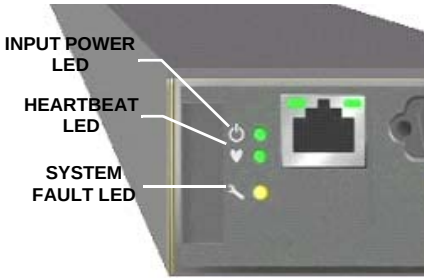
NOTE: If your QLogic 5802V Switch came with 20 SFPs and a 3-inch stacking cable, ports 0–23 are active.

❑ To install an SFP transceiver, insert the transceiver into the switch port and gently press until it snaps in place. The transceiver will fit only one way. If the transceiver does not install under gentle pressure, flip it over and try again.

Step 5. Apply Power to the Switch

❑ Attach the AC power cord(s) to the switch and wall outlet or power strip. For greater availability, connect the power cords to separate power circuits. Verify that the Input Power LED is illuminated.

❑ The switch runs its self-tests and begins normal operation—this may take a few minutes. Verify that the Heartbeat LED is blinking (once per second) and the System Fault LED is NOT illuminated.



Step 6. Verify Workstation Requirements

❑ Verify that your workstation can support the QuickTools™ application with the following minimum requirements:

- Windows 2003 and XP SP1/SP2
- 512MB memory minimum; 1GB recommended
- 1GHz processor
- Video card with 256 colors
- RJ-45 Ethernet port
- Internet Browser: Microsoft® Internet Explorer® 6.0 and later, Netscape Navigator® 6.0 and later, Firefox® 1.5 and later, or Mozilla® 1.5

❑ The default IP address of a new switch is 10.0.0.1. Ensure that your workstation is configured to communicate with the 10.0.0 subnet.

Step 7. Connect the Workstation to the Switch

❑ Connect the workstation to the switch using an Ethernet cable—the switch automatically recognizes both straight and cross-over Ethernet cables. If you are using a Windows workstation, you must have a live Ethernet connection when the workstation powers up.

Step 8. Log In to the Switch

You can log in to and manage the switch using the command line interface or the QuickTools web applet. This guide will describe the use of QuickTools.

- ❑ Open an Internet browser and enter the default IP address 10.0.0.1 to start the QuickTools web applet.
- ❑ Log in to the switch using the default user name (*admin*) and password (*password*).

Step 9. Run the Configuration Wizard

- ❑ Obtain the IP address and subnet mask from your network administrator.
- ❑ Open the QuickTools Wizards menu and select **Configuration Wizard**. Follow the instructions to set network parameters and the password. The default user name is *admin*; the default password is *password*. Changing the IP address will terminate the QuickTools session.
- ❑ Open an Internet browser and start a new QuickTools session. Enter the new IP address to log in to switch.

Step 10. Connect Devices

- ❑ Connect fiber optic cables between the installed transceivers and their corresponding devices. Each port auto-negotiates the proper port type with the connected device.

Congratulations!
You have successfully installed your QLogic 5800V Series Switch.

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Corporate Headquarters
QLogic Corporation
26650 Aliso Viejo Parkway
Aliso Viejo, CA 92656
949.389.6000 **www.qlogic.com**

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UK | Ireland | Germany
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