Compaq StorageWorks

SAN Switch 8

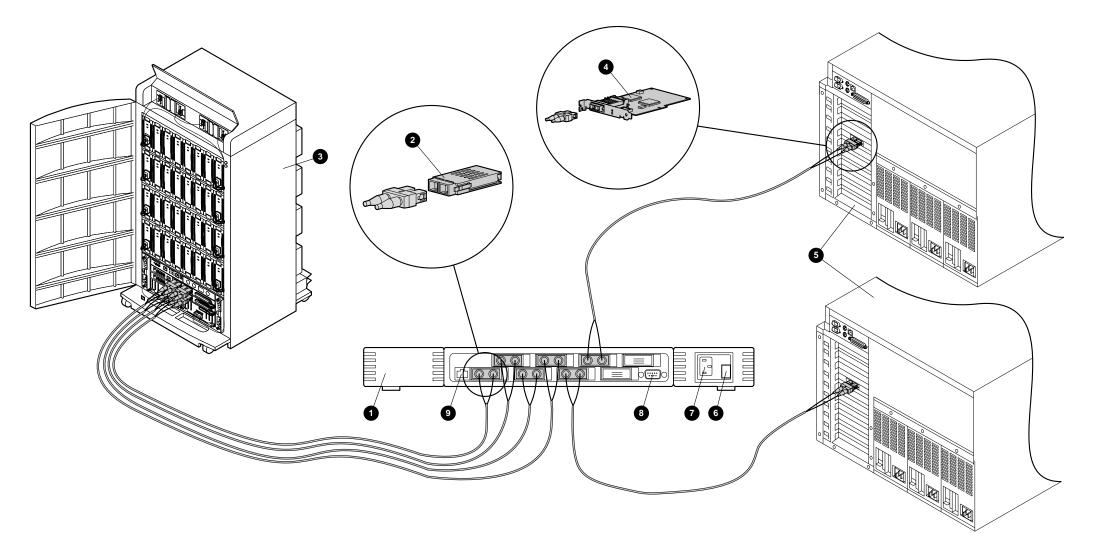**Installation Instructions**

Compaq Computer Corporation

❶ Compaq StorageWorks SAN Switch 8

❷ Giga Bit Interface Converter (GBIC) module

❸ Compaq Storage Subsystem

❹ Fibre Channel host adapter

❺ Rack-mounted Compaq servers

❻ AC power switch

❼ AC power connector

❽ RS-232 serial port

❾ RJ-45 Ethernet port used for switch management

NOTE: This is only one representative configuration showing a SAN Switch 8 connected to a storage subsystem. The subsystem is configured for dual-redundant operation.

SAN Switch 8 Features

- **Simplicity**—The SAN Switch 8 is easy to set up and configure. After the Power-On Self-Test (POST), add the switch's Internet protocol (IP) address. The remainder of the setup is automated.

- **Intelligence**—The operating system allows discovery of all connected devices and determines optimum data paths without intervention.

- **Flexibility**—The GBIC modules support single-mode and multi-mode fiber transmission media. The switch's modular construction allows flexibility in creating, upgrading, maintaining, and configuring a fabric.

- **Reliability**—Highly integrated, reliable, multifunction Application Specific Integrated Circuit (ASIC) devices are used throughout the switch.

- **High performance**—The low-latency, high-performance design requires no processor data path interaction. The Fibre Channel bandwidth is 100 MB/s per port (full duplex).

- **Automated congestion management**—Virtual channels enable the switch to perform sophisticated congestion management techniques automatically.

- **Cascading**—Switches can be cascaded for large fabric support. Up to 239 switches can be interconnected for a large fabric with thousands of fabric connections.

- **Compatibility**—The SAN Switch 8 is designed to operate with other Compaq StorageWorks Fibre Channel Switches using a compatibility mode.

- **Universal Ports**—Switch ports are designed to support F_, FL_, and E_Port modes of operation. The software automatically selects the optimum mode of operation.

Installing the SAN Switch 8

1. Install a Fibre Channel adapter in each server following the procedure outlined in your adapter documentation.

2. Connect one Fibre Channel cable to each adapter.

3. Connect up to four Fibre Channel cables to the storage subsystem.

4. Install GBIC modules in the switch's Fibre Channel ports. In this configuration, the storage subsystem may require four ports and each server requires one port.

5. Connect the free ends of the Fibre Channel cables from the storage subsystem and servers to the Fibre Channel ports on the switch's front panel.

6. Connect a serial cable to the switch's RS-232 serial port.

7. Connect an AC power cord to the switch and turn on the power to the switch.

8. Initiate a terminal session from a host server to the switch.

9. Enter the ipAddrSet command at the admin prompt to set the switch's IP address.

    NOTE: The serial connection is only required to initially set the IP address or to reset factory defaults.

10. Close the remote communication program and disconnect the serial cable.

11. Connect the switch to the network by plugging an Ethernet cable into the switch's RJ-45 connector. Use the Ethernet connection to manage the switch using Telnet commands or Web Management Tools.

    Installation is complete.