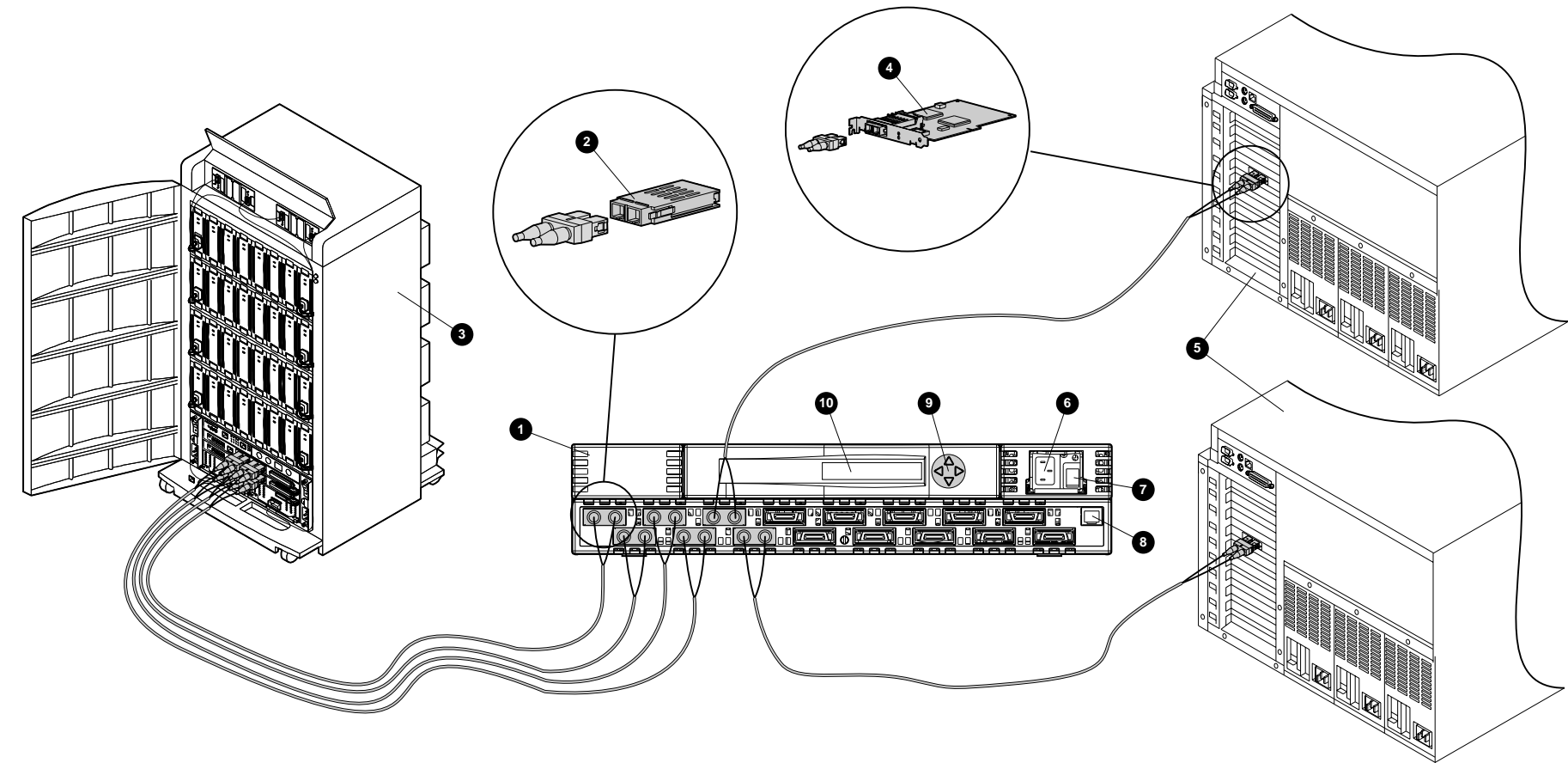


Compaq StorageWorks

# SAN Switch 16

Installation Instructions



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Compaq Computer Corporation

- ❶ Compaq StorageWorks SAN Switch 16
- ❷ Giga Bit Interface Converter (GBIC) module
- ❸ Compaq Storage Subsystem
- ❹ Fibre Channel host adapter
- ❺ Rack-mounted Compaq servers
- ❻ AC power connector
- ❼ AC power switch
- ❽ RJ-45 Ethernet port for switch management
- ❾ Control buttons
- ❿ Front panel display

**NOTE:** This is only one representative configuration showing a SAN Switch 16 connected to a storage subsystem. The subsystem is configured for dual-redundant operation.

## SAN Switch 16 Features

- **Simplicity**—The SAN Switch 16 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. Up to 239 interconnected switches are supported.
- **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 Circuits (ASICs) 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 16 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 16

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 6 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 an AC power cord to the switch and turn on the power to the switch.
7. Assign an IP address to the switch:
  - a. Press the front panel down ( ▼ ) button.
  - b. When Configuration Menu displays, select it by pressing the right ( ► ) button.
  - c. Scroll down the Configuration menu options using the down ( ▼ ) button. When Ethernet IP Address displays, select it by pressing the right ( ► ) button.
  - d. Use the up ( ▲ ) and down ( ▼ ) buttons to increment or decrement the displayed values. Use the left ( ◀ ) button to move the cursor between fields.
  - e. When you have set the address, press the right ( ► ) button then the left ( ◀ ) button to store the address.
8. Connect the switch to the network by plugging an Ethernet cable into the switch’s RJ-45 connector. You can manage the switch using the front panel controls or use the Ethernet connection to manage the switch using Telnet commands or Web Management Tools.

Installation is complete.