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Compaq 194754-001

Compaq 2-port SCSI Controller User Manual

Model: 194754-001

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of the Compaq 2-port SCSI Controller, model 194754-001. This controller is designed to enhance the storage capabilities of compatible Proliant and Prosignia server systems by providing two wide SCSI channels.

PRODUCT OVERVIEW

The Compaq 2-port SCSI Controller (model 194754-001) is a PCI-based expansion card that facilitates high-speed data transfer between your server and SCSI devices. It features two independent wide SCSI channels, allowing for connection of multiple SCSI hard drives, tape drives, or other peripherals.



Figure 1: Front view of the Compaq 2-port SCSI Controller. The image displays the green circuit board with various integrated circuits, connectors, and the PCI interface edge connector. The metal bracket for securing the card in a computer chassis is visible on the right side, along with the external SCSI port.

SETUP AND INSTALLATION

Before beginning installation, ensure your system is powered off and disconnected from the power source. It is recommended to wear an anti-static wrist strap to prevent electrostatic discharge (ESD) damage to components.

System Requirements:

- Available PCI expansion slot.
- Compatible Compaq Proliant or Prosignia server.
- Operating system with appropriate driver support.

Installation Steps:

1. Power down the server and unplug all power cords.
2. Open the server chassis according to the server's service manual.
3. Locate an available PCI expansion slot.

4. Carefully align the Compaq SCSI Controller with the PCI slot and press firmly until it is fully seated.
5. Secure the controller card with the retaining screw or clip provided by the server chassis.
6. Connect internal SCSI devices (e.g., hard drives) to the internal SCSI ports on the controller using appropriate SCSI cables.
7. Close the server chassis and reconnect power cords.
8. Power on the server.

OPERATING AND CONFIGURATION

After physical installation, the controller requires driver installation and configuration within the operating system.

Driver Installation:

- Upon booting the server, the operating system may detect new hardware.
- Install the appropriate drivers for the Compaq 2-port SCSI Controller from the Compaq driver CD or the official Compaq support website.
- Follow the on-screen prompts to complete the driver installation. A system reboot may be required.

SCSI Device Configuration:

- Ensure all SCSI devices connected to the controller have unique SCSI IDs.
- Verify proper termination for all SCSI chains. Both ends of a SCSI bus must be terminated.
- Refer to your operating system's documentation for configuring and formatting connected SCSI storage devices.

MAINTENANCE

The Compaq 2-port SCSI Controller is designed for reliable operation with minimal maintenance. Regular system maintenance practices are generally sufficient.

- **Dust Removal:** Periodically inspect the server's interior for dust accumulation. Use compressed air to gently clean the controller card and surrounding components to ensure proper airflow and prevent overheating.
- **Driver Updates:** Check the official Compaq support website periodically for updated drivers or firmware for the controller. Keeping drivers current can improve performance and stability.
- **Cable Integrity:** Ensure all SCSI cables are securely connected and free from damage. Loose or damaged cables can lead to data transfer errors.

TROUBLESHOOTING

This section provides solutions to common issues encountered with the SCSI controller.

Problem	Possible Cause	Solution
Controller not detected by OS.	Card not seated properly; faulty PCI slot; incorrect drivers.	Reseat the card; try a different PCI slot; ensure correct drivers are installed.
SCSI devices not detected.	Incorrect SCSI ID; improper termination; faulty cable; device power issue.	Verify unique SCSI IDs; check termination; replace cables; ensure devices are powered on.
Data transfer errors.	Loose cables; electrical interference; faulty device.	Check cable connections; ensure proper grounding; test devices individually.

SPECIFICATIONS

Feature	Detail
Model Number	194754-001
Brand	Compaq
Hardware Interface	SCSI
Number of Channels	2 (Wide SCSI)
Product Dimensions	20 x 12 x 6 inches
Item Weight	2 pounds
Manufacturer	CPQ
UPC	766623202473

WARRANTY INFORMATION

This product includes a warranty. For detailed terms and conditions, please refer to the official Compaq warranty documentation that accompanied your purchase or visit the Compaq support website.

Legal Disclaimer: Refer to our Terms & Conditions Page for complete legal information regarding this product.

SUPPORT

For further assistance, technical support, or to download the latest drivers and firmware, please visit the official Compaq support website or contact Compaq customer service.

Note: Product support and driver availability may vary based on product age and manufacturer policies.

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Related Documents - 194754-001

	<p>Compaq Presario 5000, 5100, 5200 Series Maintenance and Service Guide</p> <p>This maintenance and service guide provides comprehensive information for Compaq Presario 5000, 5100, and 5200 series personal computers. It covers product descriptions, troubleshooting steps, illustrated parts, detailed removal and replacement procedures, jumper and switch configurations, and technical specifications to aid in servicing and maintaining these Compaq desktop systems.</p>
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