



Manuals.plus /

› Dell /

› Dell HT953 300GB 15K RPM LFF 3.5 SAS Hard Drive HDD (Renewed) User Manual

Dell HT953

Dell HT953 300GB SAS Hard Drive User Manual

Model: HT953

[Contents](#) [Setup](#) [Introduction](#) [Safety Information](#) [Package](#)
[Operating](#) [Maintenance](#) [Troubleshooting](#) [Specifications](#) [Warranty & Support](#)

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Dell HT953 300GB 15K RPM LFF 3.5" SAS Hard Drive. This product is a renewed Dell original part, tested and certified to function like new, offering reliable storage for compatible Dell PowerEdge Servers.

Product Overview

The Dell HT953 is a 300GB, 15,000 RPM, 3.5-inch SAS (Serial Attached SCSI) hot-plug hard drive designed for high-performance server environments. It is an internal hard drive, specifically engineered for Dell PowerEdge Servers, providing robust data storage and retrieval capabilities. This renewed unit includes the drive and its compatible tray for seamless integration into your server system.



Figure 1: Dell HT953 300GB SAS Hard Drive. The image shows the top view of the hard drive, featuring the Dell branding and product label. A blue 'C4' logo is placed on top of the drive, indicating its renewed status or a specific vendor's branding.

2. SAFETY INFORMATION

Please read and follow all safety precautions before installing or operating the hard drive. Failure to do so may result in personal injury or damage to the equipment.

- Always disconnect power from the server before installing or removing the hard drive.
- Handle the hard drive by its edges to avoid touching the circuit board or connectors.
- Wear an anti-static wrist strap to prevent electrostatic discharge (ESD) damage to the drive and server components.
- Ensure proper ventilation around the server to prevent overheating.
- Do not expose the hard drive to moisture or extreme temperatures.
- Keep the hard drive away from strong magnetic fields.

3. PACKAGE CONTENTS

Verify that all items are present and in good condition upon opening the package. If any items are missing or damaged, contact your vendor immediately.

- Dell HT953 300GB 15K RPM 3.5" SAS Hard Drive
- Compatible Hot-Plug Drive Tray for Dell PowerEdge Servers

4. SETUP AND INSTALLATION

Compatibility

The Dell HT953 hard drive is guaranteed compatible with the following Dell PowerEdge Servers. This list is not exhaustive, and other PowerEdge models or MD PowerVault Arrays may also be compatible:

- 1950, 1950iii
- 2900, 2900iii, 2950, 2950iii, 2970
- 6850, 6950
- 840, 860
- R200, R300, R900, R905
- SC140, SC145, SC440
- T100, T105, T300

Installation Steps

1. **Prepare the Server:** Power down the Dell PowerEdge server and disconnect all power cables.
2. **Access Drive Bays:** Locate the hot-plug drive bays on your server. Refer to your server's documentation for specific instructions on accessing these bays.
3. **Install the Drive:** Slide the Dell HT953 hard drive, pre-mounted in its tray, into an available hot-plug drive bay until it clicks securely into place. Ensure the drive is fully seated.
4. **Reconnect Power:** Reconnect the power cables to the server and power it on.
5. **System Recognition:** The server's RAID controller or operating system should detect the new hard drive. You may need to configure the drive within your server's RAID utility or operating system for use (e.g., creating a new volume, adding to an existing RAID array).

5. OPERATING THE HARD DRIVE

Once installed and configured, the Dell HT953 hard drive operates as a standard storage device within your server environment. Its 15,000 RPM speed and SAS interface provide high-speed data access for demanding applications.

- **Data Storage:** Use the drive for storing operating systems, applications, and critical data.
- **RAID Configuration:** For optimal performance and data redundancy, it is highly recommended to configure the drive within a RAID array managed by your server's RAID controller.
- **Hot-Plug Capability:** As a hot-plug drive, it can be inserted or removed from compatible servers while the server is running, provided the server and RAID controller support this feature and the drive is part of a redundant array (e.g., RAID 1, 5, 6, 10). Always follow server-specific procedures for hot-swapping drives.

6. MAINTENANCE AND CARE

Proper maintenance ensures the longevity and reliable performance of your hard drive.

- **Environmental Control:** Ensure the server environment maintains stable temperature and humidity levels as specified by Dell for your server model.
- **Firmware Updates:** Periodically check Dell's official support website for firmware updates for your server's RAID controller and hard drives. Apply updates as recommended.
- **Data Backup:** Regularly back up critical data stored on the hard drive to prevent data loss in case of drive

failure or other unforeseen events.

- **Physical Inspection:** During server maintenance, visually inspect the drive and its connections for any signs of damage or loose connections.

7. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your Dell HT953 hard drive.

Problem	Possible Cause	Solution
Drive not detected by server.	Drive not fully seated; incorrect bay; RAID controller issue; drive failure.	Ensure drive is fully inserted. Verify compatibility. Check server's RAID controller status and logs. Try a different bay if available.
Drive shows as "failed" or "offline".	Drive failure; RAID array issue; loose connection.	If part of a RAID array, check array status. If standalone, the drive may have failed. Re-seat the drive. If issue persists, replace the drive.
Slow performance.	Overloaded server; drive nearing capacity; fragmentation; drive degradation.	Monitor server resource usage. Ensure sufficient free space. Check drive health using diagnostic tools. Consider optimizing data or adding more drives.

For more complex issues, consult your Dell PowerEdge server's documentation or contact Dell support.

8. SPECIFICATIONS

Feature	Detail
Manufacturer	Dell Computers
Model Number	HT953
Digital Storage Capacity	300 GB
Hard Disk Interface	SAS-3
Connectivity Technology	SATA <i>(Note: SAS is the primary interface for this drive type.)</i>
Brand	Dell
Hard Disk Form Factor	3.5 Inches
Hard Disk Description	Mechanical Hard Disk
Compatible Devices	Desktop <i>(Primarily designed for Dell PowerEdge Servers)</i>
Installation Type	Internal Hard Drive
Color	Silver
Date First Available	September 28, 2018

9. WARRANTY AND SUPPORT

Warranty Information

This Dell HT953 renewed hard drive comes with a **1 Year Full Warranty** from the seller. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. The refurbishing process ensures the product is tested and certified to look and work like new, including functionality testing, basic cleaning, inspection, and repackaging. It ships with all relevant accessories and a minimum 90-day warranty, with this specific product offering a 1-year warranty.

Customer Support

For technical assistance, troubleshooting, or warranty claims, please contact the seller from whom you purchased this renewed product. For general Dell product information and server documentation, visit the official Dell support website.