



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for HITACHI DESKSTAR 7K250. You'll find the answers to all your questions on the HITACHI DESKSTAR 7K250 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual HITACHI DESKSTAR 7K250
User guide HITACHI DESKSTAR 7K250
Operating instructions HITACHI DESKSTAR 7K250
Instructions for use HITACHI DESKSTAR 7K250
Instruction manual HITACHI DESKSTAR 7K250

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Hitachi Deskstar® 7K250

HARD DISK DRIVES

250GB, 160GB, 120GB, 80GB and 40GB | 7200 RPM | Serial ATA and Parallel ATA

High capacity. High performance. Low cost-per-megabyte. 3.5-inch drives for the desktop and beyond.

Highlights

- > Award-winning, 7200 RPM performance for better throughput in a variety of applications, backed by industry-leading benchmark performance
- > Serial ATA and parallel ATA interfaces available with capacities up to 250GB
- > Low power design reduces system costs and drives high reliability in ATA-RAID and other multiple drive systems
- > Quiet operating modes for easy integration into noise sensitive environments

Why Serial ATA?

Serial ATA technology provides significant benefits to end-users and storage vendors by supplying a platform that overcomes the limitations of parallel ATA hard drives. The interface transfer rate increases by 50%. System integration is simplified with:

- > Lower profile interface cable
- > Improved point-to-point interface cabling
- > Hot-plug connection capability
- > Reduced pin count

Applications

- > Traditional PCs
- > Nearline Storage
- > ATA servers
- > PC gaming
- > Video surveillance
- > Video editing and streaming
- > Disk to disk backup and recovery
- > Media storage (PVR)
- > Virtual tape server
- > Industrial automation

Features and Benefits

	Feature / Function	Benefits
Performance	High data transfer rate	Faster system boot-up
	Leading seek times	Quicker screen refreshes
	Leading seek times	Faster access to data
Capacity	8MB buffer size	Faster data processing
	250GB	Greater storage capacity in multi-drive systems
		Meets increasing demand for local storage due to growth of email and large files
Reliability		Meets user needs by enabling longer PC lifecycles
	Leading low power	Cooler system operation
		Enables lower cost power supply and fan
	Head load/unload	Protects disk during non-operation
		Reduces disk wear
Acoustics	Optional low-power mode	Reduces power requirement in multi-drive systems
		Reduces system heat
	Internal thermal sensor	Improves data integrity
Integration	Low acoustic levels	Quieter system operation
	SATA interface	Important for fan-less systems (all-in-one, PVR, etc.)
		Thinner and longer cabling for easy cable routing
		Backwards compatible with Ultra ATA-100

Hitachi Quality and Service

The Hitachi Deskstar 7K250 extends the company's long-standing tradition of performance leadership. Hitachi's standardized features in desktop solutions enable fast transfer rates, low power utilization and quiet acoustics. These features combine to make the Deskstar 7K250 ideal not only for standard PC systems but also for ATA entry-servers, personal video recorders and other non-PC computing requirements.

Hitachi is dedicated to provide a breadth of hard disk drive solutions to satisfy all of today's demanding computing needs.

www.hitachigst.com



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Manual abstract:

Low cost-per-megabyte. 3.5-inch drives for the desktop and beyond. Highlights > Features and Benefits Feature / Function Performance High data transfer rate Award-winning, 7200 RPM performance for better throughput in a variety of applications, backed by industry-leading benchmark performance Serial ATA and parallel ATA interfaces available with capacities up to 250GB Low power design reduces system costs and drives high reliability in ATA-RAID and other multiple drive systems Quiet operating modes for easy integration into noise sensitive environments Benefits Faster system boot-up Quicker screen refreshes >> Leading seek times 8MB buffer size Capacity 250GB Faster access to data Faster data processing Greater storage capacity in multi-drive systems Meets increasing demand for local storage due to growth of email and large files Meets user needs by enabling longer PC lifecycles > Reliability Leading low power Cooler system operation Enables lower cost power supply and fan Why Serial ATA? Serial ATA technology provides significant benefits to end-users and storage vendors by supplying a platform that overcomes the limitations of parallel ATA hard drives. The interface transfer rate increases by 50%. System integration is simplified with: > Lower profile interface cable > Improved point-to-point interface cabling > Hot-plug connection capability > Reduced pin count Applications >>>>>>>>> Head load/unload Protects disk during non-operation Reduces disk wear Optional low-power mode Reduces power requirement in multi-drive systems Reduces system heat Internal thermal sensor Acoustics Low acoustic levels Improves data integrity Quieter system operation Important for fan-less systems (all-in-one, PVR, etc.) Integration SATA interface Thinner and longer cabling for easy cable routing Backwards compatible with Ultra ATA-100 Hitachi Quality and Service The Hitachi Deskstar 7K250 extends the company's long-standing tradition of performance leadership. Hitachi's standardized features in desktop solutions enable fast transfer rates, low power utilization and quiet acoustics. @@@@Mbits/sec) Interface transfer rate (max. @@@@Deskstar® is a trademark of Hitachi Global Storage Technologies. @@@@Information is true as of the date of publication and is subject to change. Actual results may vary. This publication is for general guidance only. Photographs may show design models. Physical Size Height (mm) Width (mm) Depth (mm) Weight (max. @ @ 2 Buffer capacity includes 270 or less KB used for drive firmware. 3 Includes command overhead. .



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