




Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for HITACHI DESKSTAR 7K400. You'll find the answers to all your questions on the HITACHI DESKSTAR 7K400 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 7K400
User guide HITACHI DESKSTAR 7K400
Operating instructions HITACHI DESKSTAR 7K400
Instructions for use HITACHI DESKSTAR 7K400
Instruction manual HITACHI DESKSTAR 7K400

HITACHI
Inspire the Next

Hitachi Deskstar® 7K400
HARD DISK DRIVES



400GB | 7200 RPM | Ultra ATA/100 and Serial ATA 1.5Gb/s

Seemingly Infinite Storage

Highlights

- > 400 GB of capacity with either Serial or Parallel ATA interface
- > Rotational Vibration Safeguard
- > ATA-7 Streaming Feature Set
- > Robust mechanical enhancements
- > Latching SATA connector

Capacity Leadership

The Deskstar 7K400 answers the market demand for higher density storage. This drive provides 60% more capacity in the same space of a 250GB drive for those desiring the highest capacity. A 1U enclosure can now provide 1.6 terabytes – 600 GB more than available with 250 GB drives!

Why Serial ATA?

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

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

Applications

- > Digital video recorder
- > Nearline Storage for:
 - Disk-to-disk backup
 - Fixed content
 - Archive
 - Data disaster prevention / recovery
- > Performance PCs and workstation
- > Gaming PCs
- > Home media server
- > Video editing and streaming

Features and Benefits

	Feature / Function	Benefits
Capacity	400GB	48 hours of HDV broadcast, or
		40,000 typical library books, or
		190,000 high-quality, 4-minute MP3 recordings, or
		400,000+ files
Performance	Rotational Vibration Safeguard	Maintains drive performance in high rotational vibration environments and multi-drive systems.
Reliability	Latching SATA connector	Prevents disconnection due to excessive shock or vibration
	Load / unload ramp	Protects user data when power is removed
	Fixed shaft Fluid Dynamic Bearing (FDB) spindle motor	Low acoustics Reliable operation in AV and real-time applications

ATA-7, Extending HDD Functionality

The Deskstar 7K400 incorporates the latest ATA-7 feature set. These include:

- > AV command set – enables the added controls of the Streaming Feature Set
- > Enhanced S.M.A.R.T. features – including Selective Self Test

The Deskstar 7K400 with ATA Streaming Feature Set provides important features for AV storage applications. These key features enable system developers to:

- > Read drive attributes and configure the drive buffer for optimum performance
- > Stream error logging to reduce time delays for system error processing
- > Handle stream errors to enable full error recovery

Hitachi Quality and Service

Hitachi drives are backed by an array of technical support and services, which may include customer and integration assistance.

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:

6terabytes 600GBmorethanavailablewith250GBdrives! Why Serial ATA? SerialATAtechnologyprovidessignificantbenefitstoend-usersandstoragesolutionvendors bysupplyingaplatformthatovercomesthe limitationsofparallelATAharddrives.System integrationissimplifiedwith: > Thinnerinterfacecable > Improvedpoint-to-pointinterfacecabling > Hot-plugconnectioncapability > Reducedpincount Applications > Digitalvideorecorder > NearlineStoragefor: Disk-to-diskbackup Fixedcontent Archive Datadisasterprevention/recovery > PerformancePCsandworkstation > GamingPCs > Homemediaserver > Videoeditingandstreaming Performance Reliability RotationalVibrationSafeguard LatchingSATAconnector Load/unloadramp FixedshaftFluidDynamicBearing (FDB)spindlemotor Maintainsdriveperformanceinhighrotational vibrationenvironmentsandmulti-drivesystems Preventsdisconnectsduetoexcessiveshockorvibration Protectsuserdatawhenpowerisremoved Lowacoustics ReliableoperationinAVandnearlineapplications ATA-7, Extending HDD Functionality TheDeskstar7K400incorporatesthelatestATA-7featureset.Theseinclude: > AVcommandset-enablestheaddedcontrolsoftheStreamingFeatureSet > EnhancedS.M.A.R.T.featuresincludingSelectiveSelfTest TheDeskstar7K400withATAStreamingFeatureSetprovidesimportantfeaturesforAV storageapplications.Thesekeyfeaturesenablesystemdevelopersto: > Readdriveattributesandconfigurethedrivebufferforoptimumperformance > Streamerrorloggingtoreducetimedelaysforsystemerrorprocessing > Handlestreamerrorstoenablefullerrorrecovery Hitachi Quality and Service Hitachidrivesarebackedbyanarrayoftechnicalsupportandservices,whichmayinclude customerandintegrationassistance. @@Deskstar® is a trademark of Hitachi Global Storage Technologies. @@@@Actual results may vary. This publication is for general guidance only. Photographs may show design models. Parallel-ATA UltraATA/100 400 5/10 8 7,200 757 100 61.4-29. 8(zone0-29) 8.5 1in10E14 50,000 3.1 +5VDC(+/-5%) +12VDC(+10%/-8%) 2.0(+12V)&1.1(+5V) 9. 0 Serial-ATA SerialATA1.5Gb/s 150 2.0(+12V)&1.2(+5V) 9.6 Fo r m o r e i n f o r m a t i o n : Internet: > www.HitachiGST.com(MainWebsite) > www.HitachiGST.com/vpp(ResellerWebsite) TechnicalSupportE-mail: > support_usa@hgst.com(N. America) > support_ap@hgst.com(AsiaPacific) > support_uk@hgst.com(EMEAandUK) TechnicalSupportPhoneNumbers: > 1888426-5214(N.America) > 6568409595(AsiaPacific) > 442071330032(EMEAandUK) > 496929993601(Germany) 1GBequalsonelinebillionbyteswhenreferringtoharddrivecapacity;accessiblecapacitymaybeless. 2Buffercapacityincludes271KBusedfordrivefirmware..



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