Hard disk drives

Product reference guide

hard drive by
HITACHI

Eternal
Vigilance

For more information on
surveillance drives visit:
www.hitachigst.com/surveillance

2009 #11

HITACHI
Inspire the Next

Highlights

Deskstar™ E7K1000
Reliable, power-efficient hard drives
for value storage systems

Delivers value to the enterprise with
up to 1TB of capacity, 7200 RPM
performance and innovative technologies
like Rotational Vibration Safeguard (RVS).
Systems with multiple drives installed
are at risk for rotational vibration, which
results from simultaneous operation
of neighboring drives.

Deskstar 7K1000.B
Exceptional blend of power efficiency
and performance with up to 1TB
capacity—ideal for power-friendly PCs

Leveraging seventh-generation power
management technology as well as
power-saving innovations pioneered
on the popular 2.5-inch line of Hitachi
notebook PC hard drives, this new
breed of desktop drive delivers best-inclass
power management and thermal
emissions, while maintaining high
standards of performance.

Travelstar™ 7K320
7200 RPM 2.5-inch hard drive
with capacities ranging from
80GB to 320GB

Designed to support the high-performance
needs of multi-tasking commercial users
and consumers on-the-go, Travelstar
7K320 offers speed without sacrificing
battery life, capacity or audio quality.

Travelstar 5K500.B
High-capacity EcoTrac storage for
Notebook PCs and mobile applications

Hitachi's second-generation 500GB,
5400 RPM 2.5-inch hard drive for
entertainment power-house
notebooks. The 5K500.B has the lowest
power consumption in its class and is
halogen-free for an eco-friendly
footprint.

CinemaStar™ 7K1000.B
Power-efficient, high-capacity storage
optimized for digital video applications

Hitachi delivers its second-generation 1TB
CinemaStar drive with best-in-class
power utilization and proven
features like silent-seek acoustics and
streaming video features set to improve
handling of multiple, simultaneous video
streams, typical of surveillance applications.

CinemaStar 5K500
Cool, quiet, power-efficient storage
for digital video application

With up to 500GB capacity and features
innovative CoolSpin™ technology to deliver
a new level of power efficiency and quiet
operation for digital video applications.

Ultrastar™ 15K450
Performance, reliability, and
capacity for mission critical
enterprise environments

With up to 450GB capacity, this new 15K
RPM drive family is the ideal solution
for demanding enterprise computing
environments like online transaction
processing, intensive data analysis
and other multi-user applications.

Ultrastar C10K147
Small form factor (SFF) 2.5-inch
enterprise hard drive

The Ultrastar C10K147 was developed
specifically for the high performance
and low power requirements of servers.
Space and low power considerations
in data centers drive the need for a
transition to SFF.

Endurastar™ J4K50
and Endurastar N4K50
Drives that are built to perform
in the harshest environments

With capacities up to 50GB and offering a
wider temperature range and improved
altitude range, the Endurastar J4K50 is
designed to operate in the most severe
conditions, from -30°C to +85°C and
altitudes of -300 to +5000 meters.

Online tools

Check out our on-line sales training tool
specifically designed for distribution sales
people (in the HDD Info Hub at):

www.hitachigst.com/partners

Use our Drive Quick Search tool to
quickly find information about any
Hitachi hard disk drive:

www.hitachigst.com/drivequicksearch

The Hitachi GST Partners First ™ Program
is focused on building strong relationships
with our partners. For more information
and to begin accessing all the benefits
of the program, sign up today at:

www.hitachigst.com/partners

EcoTrac Products

The EcoTrac classification was created to assist customers in selecting products that minimize environmental impact in the areas of product design, manufacturing, operation and disposal.

The EcoTrac symbol identifies Hitachi products that deliver on the following principles:

- Lower operating costs through power-efficient design
- Smaller carbon footprint by reducing waste during manufacturing
- Safe product disposal through a reduction of toxic materials
- Creation of a sustainable environment through conservation of natural resources in packaging and transportation

Enterprise	PC Storage	Consumer Electronics	Surveillance
Ultrastar 15K450	Deskstar 7K1000.B	CinemaStar 7K1000.B	Deskstar E7K1000
Ultrastar C10K147	Deskstar P7K500	CinemaStar P7K500	CinemaStar 7K1000.B
Deskstar E7K1000	Travelstar 7K320	CinemaStar 5K500	CinemaStar P7K500
	Travelstar 7K200	CinemaStar 5K320	CinemaStar C5K320
	Travelstar 5K500.B	CinemaStar C5K320	Endurastar J4K50/N4K50
	Travelstar 5K320		
	Travelstar 5K250		

Technology Highlights

CoolSpin Technology

The CinemaStar 5K500, Hitachi's first CoolSpin drive, uses an enhanced motor design to limit peak current during spin-up and enable lower continuous running power. With CoolSpin, Hitachi was able to achieve just the right blend of performance, power management and acoustics for digital video applications. CoolSpin drives allow system builders to develop set-top boxes and DVRs that run cooler and require less power, ultimately leading to improved product reliability and lifespan.

Enhanced Adaptive Battery Life Extender (ABLE)

Hitachi understands the challenges its customers face in maximizing battery life in their products, and engineered the ABLE power management technology in response. ABLE enables the host system to realize the optimum power utilization from the drive, and customize power consumption at drive level to suit the specific application. Hitachi GST high-performance drives come loaded with leading-edge functionality, so you know that the right tools are always at hand.

Hitachi load/unload technology

Load/unload technology ensures that the read/write heads never come into contact with the media - even when the drive is not rotating.
Some of the many benefits include increased robustness, reliability and reduced power consumption. Hitachi is the only company to use load/unload technology across the complete product line.

Bulk Data Encryption

Several Hitachi hard drives now offer optional Bulk Data Encryption – a hard-drive-level data security mechanism that puts users' data effectively 'under lock and key', offering virtually impenetrable protection. As an alternative to protecting data through software-based encryption or system-level passwords, hard-drive level encryption guarantees better performance and a much higher level of security.

Rotational Vibration Safeguard (RVS)

Several Hitachi hard drives now have advanced Rotational Vibration Safeguard (RVS) that actually anticipates disturbances and counteracts them— maximizing performance in the most arduous conditions. Vibration sensors at the edges of the disk feed forward to the actuator, warning it of oncoming disruption. In tests this technology improves performance in business and high-end systems by as much as 300%

HiVERT™ technology

With the introduction of the Deskstar P7K500 drive, Hitachi has increased power efficiency while maintaining 7200 RPM performance. The Deskstar P7K500 provides industry-leading low power consumption by reducing power in both idle and active modes. This results in power savings of up to 40% over previous-generation products. This reduction was achieved by using the same system-on-chip (SoC) that is used in Hitachi's Travelstar 2.5-inch mobile product line, where low power has long been a key design attribute to maximize battery life in notebook PCs.
This SoC incorporates Hitachi Voltage Efficiency Regulator Technology (HiVERT) in which switching regulators are used in place of less power-efficient linear regulators in the voltage reduction processes.

IrMnCr read sensor

To address the demand for increased capacity and highly reliable operation of the read sensor, Hitachi scientists developed a material and process for the manufacture of ultra-small read sensors. Use of a new read-head alloy – iridiummanganese-chromium (IrMnCr), incorporating an extremely thin layer of ruthenium in the structure to create a very high "pinning field", resulted in the storage industry's most stable and reliable read-sensor technology.

Partners First program

Our Partners First™ program give Hitachi GST's partners access to a wide range of invaluable tools and resources which will save you time and help you make the most of Hitachi hard drives. This invaluable technical and business support is available just when you need it.

- Technical support – this includes 24x7 email and telephone support; an up-to-date, online product library of technical documents, presentations, product specifications and agency approval letters for all Hitachi hard drives; online diagnostic tools for analyzing, monitoring and restoring Hitachi drives; and integration and developer support to help market new applications

- Value-added support – relationship management each other's businesses; help with the returns process via our secure website HDD Info Hub, a unique online interactive resource that compares the specifications of the industry's hard disk drives at a glance. Having the facts right at your fingertips means you can compare and contrast, and keep your finger firmly on the pulse of the latest developments in hard drive technology.

- Marketing support – help with printed marketing materials, dealing with the press, and profile-raising at industry events. In addition, Partners receive a quarterly e-newsletter, available in six languages, and training opportunities

For more information, or to register for Partners First, visit www.hitachigst.com/partners

Partners First Program has been carefully designed to provide all the information and tools you need for selling and designing in Hitachi hard drives.

Our reasoning is simple—your success is our success. By giving you access to essential tools and resources, we can build a positive, practical working relationship—one that benefits us both, and keeps us ahead of the competition.

Product name:	Model Number	Part number/Alternate part numbers	Capacity	Interface	Form Factor	RPM	Buffer	Other Information
Ultrastar A7K1000	HUA721010KLA330	0A35772 | 0A36136	1TB	SATA 3.0Gb/s	3.5-inch	7200	32MB	Targeted 1.2 million hours MTBF
	HUA721075KLA330	0A35771 | 0Y30039	750GB	SATA 3.0Gb/s	3.5-inch	7200	32MB	Targeted 1.2 million hours MTBF
	HUA721050KLA330	0A35770	500GB	SATA 3.0Gb/s	3.5-inch	7200	32MB	Targeted 1.2 million hours MTBF
Ultrastar 15K300	HUS153030VL3800	0B22138	300GB	Ultra320 (80 pin)	3.5inch	15K	16MB	Suitable for Mission-critical 24x7 applications
	HUS153030VLF400	0B22144	300GB	FC 4Gb/s	3.5inch	15K	16MB	Suitable for Mission-critical 24x7 applications
	HUS153030VLS300	0B22132	300GB	SAS 3Gb/s	3.5inch	15K	16MB	Suitable for Mission-critical 24x7 applications
	HUS153014VL3800	0B22137	147GB	Ultra320 (80 pin)	3.5-inch	15K	16MB	Suitable for Mission-critical 24x7 applications
	HUS153014VLF400	0B22143	147GB	FC 4Gb/s	3.5-inch	15K	16MB	Suitable for Mission-critical 24x7 applications
	HUS153014VLS300	0B22131	147GB	SAS 3Gb/s	3.5-inch	15K	16MB	Suitable for Mission-critical 24x7 applications
	HUS153073VL3800	0B22136	73GB	Ultra320 (80 pin)	3.5-inch	15K	16MB	Suitable for Mission-critical 24x7 applications
	HUS153073VLF400	0B22142	73GB	FC 4Gb/s	3.5-inch	15K	16MB	Suitable for Mission-critical 24x7 applications
	HUS153073VLS300	0B22130	73GB	SAS 3Gb/s	3.5-inch	15K	16MB	Suitable for Mission-critical 24x7 applications
Ultrastar 15K450	HUS154545VLF400	0B22888	450GB	FC 4Gb/s	3.5-inch	15K	16MB	Suitable for Mission-critical 24x7 applications
	HUS154545VLS300	0B22890	450GB	SAS 3Gb/s	3.5-inch	15K	16MB	Suitable for Mission-critical 24x7 applications
	HUS154530VLF400	0B23316	300GB	FC 4Gb/s	3.5-inch	15K	16MB	Suitable for Mission-critical 24x7 applications
	HUS154530VLS300	0B23318	300GB	SAS 3Gb/s	3.5-inch	15K	16MB	Suitable for Mission-critical 24x7 applications
Ultrastar C10K147	HUC101414CSS300	0B21914	147GB	SAS 3Gb/s	2.5-inch	10K	16MB	Small form factor for the enterprise
	HUC101473CSS300	0B21947	73GB	SAS 3Gb/s	2.5-inch	10K	16MB	Small form factor for the enterprise

Deskstar E7K1000	HDE721010SLA330	0A38028	1TB	SATA 3.0Gb/s	3.5-inch	7200	32MB	Targeted 1.2 million hours MTBF
	HDE721075SLA330	0A38027	750GB	SATA 3.0Gb/s	3.5-inch	7200	32MB	Targeted 1.2 million hours MTBF
	HDE721050SLA330	0A38025	500GB	SATA 3.0Gb/s	3.5-inch	7200	32MB	Targeted 1.2 million hours MTBF

Deskstar 7K1000.B	HDT721010SLA360	0A38016 | 0A37993 | 0A38912	1TB	SATA 3.0Gb/s	3.5-inch	7200	16MB	Ideal for power friendly PCs
	HDT721075SLA360	0A37992 | 0A38911 | 0A38015	750GB	SATA 3.0Gb/s	3.5-inch	7200	16MB	Ideal for power friendly PCs
	HDT721064SLA360	0A38910 | 0A38014 | 0A37991	640GB	SATA 3.0Gb/s	3.5-inch	7200	16MB	Ideal for power friendly PCs
	HDT721032SLA380	0A38007 | 0A37574 | 0A38903	320GB	SATA 3.0Gb/s	3.5-inch	7200	8MB	Ideal for power friendly PCs
	HDT721032SLA360	0A38018	320GB	SATA 3.0Gb/s	3.5-inch	7200	16MB	Ideal for power friendly PCs
	HDT721025SLA380	0A38902 | 0A38006 | 0A37572	250GB	SATA 3.0Gb/s	3.5-inch	7200	8MB	Ideal for power friendly PCs
	HDT721016SLA380	0A37571 | 0A38901 | 0A38005	160GB	SATA 3.0Gb/s	3.5-inch	7200	8MB	Ideal for power friendly PCs
Deskstar 7K1000	HDS721010KLA330	0A33863 | 0A36414 | 0A35155 | 0A34915 0A34193	1TB	SATA 3.0Gb/s	3.5-inch	7200	32MB	

Product name:	Model Number	Part number/Alternate part numbers	Capacity	Interface	Form Factor	RPM	Buffer	Other Information
Deskstar 7K1000	HDS721075KLA330	0Y30042	0A36413	0A35154	0A34914 0A34192	750GB	SATA 3.0Gb/s	3.5-inch	7200	32MB	
Deskstar P7K500	HDP725050GLAT80	0A35397	0A36512	500GB	PATA 133MB/s	3.5-inch	7200	8MB	
	HDP725050GLA360	0A35415	0A36523	500GB	SATA 3.0Gb/s	3.5-inch	7200	16MB	
	HDP725050GLA380	0A36519	500GB	SATA 3.0Gb/s	3.5-inch	7200	8MB	
	HDP725032GLAT80	0A35393	0A36510	320GB	PATA 133MB/s	3.5-inch	7200	8MB	
	HDP725032GLA380	0A36517	320GB	SATA 3.0Gb/s	3.5-inch	7200	8MB	
	HDP725032GLA360	0A35411	0A36521	320GB	SATA 3.0Gb/s	3.5-inch	7200	16MB	
	HDP725025GLAT80	0A35390	0A36508	250GB	PATA 133MB/s	3.5-inch	7200	8MB	
	HDT725025VLAT80	0A33408	0A33697	250GB	PATA 133MB/s	3.5-inch	7200	8MB	
	HDP725025GLA380	0A35399	0A36515	250GB	SATA 3.0Gb/s	3.5-inch	7200	8MB	
	HDP725016GLAT80	0A35389	160GB	PATA 133MB/s	3.5-inch	7200	8MB	
	HDP725016GLA380	0A35398	160GB	SATA 3.0Gb/s	3.5-inch	7200	8MB	
Deskstar T7K500	HDT725050VLAT80	0A33407	0A33700	500GB	PATA 133MB/s	3.5-inch	7200	8MB	
	HDT725050VLA360	0A33437	0A34978	500GB	SATA 3.0Gb/s	3.5-inch	7200	16MB	
	HDT725032VLA360	0A33435	320GB	SATA 3.0Gb/s	3.5-inch	7200	16MB	
	HDT725032VLAT80	0A33405	0A33415	320GB	SATA 3.0Gb/s	3.5-inch	7200	8MB	
Deskstar T7K500	HDT725025VLA380	0A33423	0A33428	250GB	SATA 3.0Gb/s	3.5-inch	7200	8MB	
Deskstar 7K160	HDS721616PLAT80	0Y30002	0A34079	0A33261	0A32722 0A31882	0Y30010	0Y30004	160GB	PATA 133MB/s	3.5-inch	7200	8MB	
	HDS721616PLA320	0Y30022	0Y30028	0Y30026	0Y30024	160GB	SATA 3.0Gb/s	3.5-inch	7200	2MB	
	HDS721616PLA380	0Y30006	0A37123	0A34082	0A33264 0A32728	0A31886	0Y30019	0Y30012	160GB	SATA 3.0Gb/s	3.5-inch	7200	8MB	
	HDS721680PLAT80	0Y30001	0A32721	0A34078	0Y30003	80GB	PATA 133MB/s	3.5-inch	7200	8MB	
	HDS721680PLA320	0Y30021	0Y30027	80GB	SATA 3.0Gb/s	3.5-nch	7200	2MB	
	HDS721680PLA380	0Y30005	0A34081	0A32727	0Y30011	80GB	SATA 3.0Gb/s	3.5-inch	7200	8MB	
	HDS721680PLAT80	0A37122	80GB	SATA 3.0Gb/s	3.5-inch	7200	8MB	

Product name:	Model Number	Part number/Alternate part numbers	Capacity	Interface	Form Factor	RPM	Buffer	Other Information
CinemaStar 7K1000.B	HCT721010SLA360	0A37594	1TB	SATA 3.0Gb/s	3.5-inch	7200	16MB	Targeted 1.2 Million hours MTBF
	HCT721075SLA380	0A37592	750GB	SATA 3.0Gb/s	3.5-inch	7200	8MB	Targeted 1.2 Million hours MTBF
	HCT721064SLA380	0A37590	640GB	SATA 3.0Gb/s	3.5-inch	7200	8MB	Targeted 1.2 Million hours MTBF
	HCT721050SLA380	0A37589	500GB	SATA 3.0Gb/s	3.5-inch	7200	8MB	Targeted 1.2 Million hours MTBF
	HCT721032SLA380	0A37587	320GB	SATA 3.0Gb/s	3.5-inch	7200	8MB	Targeted 1.2 Million hours MTBF
	HCT721025SLA380	0A37586	250GB	SATA 3.0Gb/s	3.5-inch	7200	8MB	Targeted 1.2 Million hours MTBF
	HCT721016SLA380	0A37585	160GB	SATA 3.0Gb/s	3.5-inch	7200	8MB	Targeted 1.2 Million hours MTBF
CinemaStar 7K1000	HCS721010KLA330	0A35274	1TB	SATA 3.0Gb/s	3.5-inch	7200	32MB	

CinemaStar: Optimized for streaming video applications like surveillance systems and high-definition digital video recorders. Super quiet operation and low-power requirements deliver customer satisfaction and superb field reliability.

Product name:	Model Number	Part number/Alternate part numbers	Capacity	Interface	Form Factor	RPM	Buffer	Other Information
CinemaStar 7K1000	HCS721075KLA330	0A35273	750GB	SATA 3.0Gb/s	3.5-inch	7200	32MB	
CinemaStar 7K500	HCS725050VLAT80	0A33512	500GB	PATA 133MB/s	3.5-inch	7200	8MB	
	HCS725050VLA380	0A33516	500GB	SATA 3.0Gb/s	3.5-inch	7200	8MB	
	HCS725032VLAT80	0A33511	320GB	PATA 133MB/s	3.5-inch	7200	8MB	
	HCS725032VLA380	0A33515	320GB	SATA 3.0Gb/s	3.5-inch	7200	8MB	
	HCS725025VLAT80	0A33513	250GB	PATA 133MB/s	3.5-inch	7200	8MB	
CinemaStar 7K500	HCS725025VLA380	0A33517	250GB	SATA 3.0Gb/s	3.5-inch	7200	8MB	
CinemaStar P7K500	HCP725050GLAT80	0A37041	500GB	PATA 133MB/s	3.5-inch	7200	8MB	
	HCP725050GLA380	0A37045	500GB	SATA 3.0Gb/s	3.5-inch	7200	8MB	
	HCP725032GLAT80	0A37040	320GB	PATA 133MB/s	3.5-inch	7200	8MB	
	HCP725032GLA380	0A37044	320GB	SATA 3.0Gb/s	3.5-inch	7200	8MB	
	HCP725025GLAT80	0A37039	250GB	PATA 133MB/s	3.5-inch	7200	8MB	
	HCP725025GLA380	0A37043	250GB	SATA 3.0Gb/s	3.5-inch	7200	8MB	
	HCP725016GLAT80	0A37038	160GB	PATA 133MB/s	3.5-inch	7200	8MB	
	HCP725016GLA380	0A37042	160GB	SATA 3.0Gb/s	3.5-inch	7200	8MB	
CinemaStar 7K160	HCS721616PLAT80	0A33482 | 0A33492	160GB	PATA 133MB/s	3.5-inch	7200	8MB	
	HCS721616PLA380	0A33484 | 0A33494	160GB	SATA 3.0Gb/s	3.5-inch	7200	8MB	
	HCS721680PLA380	0A33493	80GB	SATA 3.0Gb/s	3.5-inch	7200	8MB	
	HCS721680PLAT80	0A33481 | 0A33491	80GB	PATA 133MB/s	3.5-inch	7200	8MB	
CinemaStar 5K500	HCS545050GLA380	0A37965	500GB	SATA 3.0Gb/s	3.5-inch	-	8MB	New CoolSpin technology
	HCS545040GLA380	0A37964	400GB	SATA 3.0Gb/s	3.5-inch	-	8MB	New CoolSpin technology
CinemaStar 5K320	HCS5C3232SLA380	0A38963	320GB	SATA 3.0Gb/s	3.5-inch	-	8MB	NEW Q4 2008 - New CoolSpin technology
	HCS5C3225SLA380	0A38962	250GB	SATA 3.0Gb/s	3.5-inch	-	8MB	NEW Q4 2008 - New CoolSpin technology
CinemaStar C5K320	HCC543232L9SA00	0A58617	320GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	
	HCC543225L9SA00	0A58615	250GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	
	HCC543216L9SA00	0A58613	160GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	
	HCC543212L9SA00	0A58612	120GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	

Travelstar: All Hitachi mobile drives feature industry-leading power management for low power and longer battery life. The optional disk-level Bulk Data Encryption technology available on most models helps guard against data loss and piracy.

Travelstar 7K320	HTS723232L9A360	0A57547	320GB	SATA 3.0Gb/s	2.5-inch	7200	16MB	
	HTS723232L9SA61	0A57527	320GB	SATA 1.5Gb/s	2.5-inch	7200	16MB	Bulk Data Encryption
	HTS723225L9A360	0A57546	250GB	SATA 3.0Gb/s	2.5-inch	7200	16MB	
	HTS723225L9SA61	0A57526	250GB	SATA 1.5Gb/s	2.5-inch	7200	16MB	Bulk Data Encryption
	HTS723216L9A360	0A57543	160GB	SATA 3.0Gb/s	2.5-inch	7200	16MB	
	HTS723216L9SA61	0A57523	160GB	SATA 1.5Gb/s	2.5-inch	7200	16MB	Bulk Data Encryption
	HTS723212L9A360	0A57542	120GB	SATA 3.0Gb/s	2.5-inch	7200	16MB	

Product name:	Model Number	Part number/Alternate part numbers	Capacity	Interface	Form Factor	RPM	Buffer	Other Information
Travelstar 7K320	HTS723212L9SA61	0A57522	120GB	SATA 1.5Gb/s	2.5-inch	7200	16MB	Bulk Data Encryption
	HTS723280L9A360	0A57541	80GB	SATA 3.0Gb/s	2.5-inch	7200	16MB	
	HTS723280L9SA61	0A57521	80GB	SATA 1.5Gb/s	2.5-inch	7200	16MB	Bulk Data Encryption
Travelstar 7K200	HTS722020K9A300	0A53065	200GB	SATA 3.0Gb/s	2.5-inch	7200	16MB	
	HTS722020K9SA00	0A50940	200GB	SATA 1.5Gb/s	2.5-inch	7200	8MB	
	HTS722080K9SA00	0A53070	200GB	SATA 1.5Gb/s	2.5-inch	7200	16MB	Bulk Data Encryption
	HTS722020K9SA00	0A55575	200GB	SATA 1.5Gb/s	2.5-inch	7200	8MB	
	HTS722020K9SA00	0A53069	160GB	SATA 1.5Gb/s	2.5-inch	7200	16MB	Bulk Data Encryption
	HTS722016K9SA00	0A50939	160GB	SATA 1.5Gb/s	2.5-inch	7200	8MB	
	HTS722016K9A300	0A53064	160GB	SATA 3.0Gb/s	2.5-inch	7200	16MB	
	HTS722012K9SA00	0A50938	120GB	SATA 1.5Gb/s	2.5-inch	7200	8MB	
	HTS722012K9A300	0A53063	120GB	SATA 3.0Gb/s	2.5-inch	7200	16MB	
	HTS722016K9SA00	0A53068	120GB	SATA 1.5Gb/s	2.5-inch	7200	16MB	Bulk Data Encryption
	HTS722010K9SA00	0A50937	100GB	SATA 1.5Gb/s	2.5-inch	7200	8MB	
Travelstar 7K200	HTS722010K9A300	0A53062	100GB	SATA 3.0Gb/s	2.5-inch	7200	16MB	
	HTS722012K9SA00	0A53067	100GB	SATA 1.5Gb/s	2.5-inch	7200	16MB	Bulk Data Encryption
	HTS722080K9SA00	0A50936	80GB	SATA 1.5Gb/s	2.5-inch	7200	8MB	
	HTS722080K9A300	0A53061	80GB	SATA 3.0Gb/s	2.5-inch	7200	16MB	
Travelstar 5K500.B	HTS545050B9A300	0A57915	500GB	SATA 3Gb/s	2.5-inch	5400	8MB	New Q1 2009
	HTS545050B9A301	0A59505	500GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	New Q1 2009 - Bulk Data Encryption
	HTS545040B9A300	0A57914	400GB	SATA 3Gb/s	2.5-inch	5400	8MB	New Q1 2009
	HTS545040B9A301	0A59504	400GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	New Q1 2009 - Bulk Data Encryption
	HTS545032B9A300	0A57913	320GB	SATA 3Gb/s	2.5-inch	5400	8MB	New Q1 2009
	HTS545032B9A301	0A59503	320GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	New Q1 2009 - Bulk Data Encryption
	HTS545025B9A300	0A57912	250GB	SATA 3Gb/s	2.5-inch	5400	8MB	New Q1 2009
	HTS545025B9A301	0A59502	250GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	New Q1 2009 - Bulk Data Encryption
	HTS545016B9A300	0A57911	160GB	SATA 3Gb/s	2.5-inch	5400	8MB	New Q1 2009
	HTS545016B9A301	0A59501	160GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	New Q1 2009 - Bulk Data Encryption
	HTS545012B9A300	0A57910	120GB	SATA 3Gb/s	2.5-inch	5400	8MB	New Q1 2009
	HTS545012B9A301	0A59500	120GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	New Q1 2009 - Bulk Data Encryption
Travelstar 5K500	HTS545050KTA300	0A53487	500GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	
Travelstar 5K320	HTS543232L9A300	0A56417	320GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	
	HTS543232L9SA01	0A56407	320GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	Bulk Data Encryption
	HTS543225L9A300	0A56415	250GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	
	HTS543225L9SA01	0A56405	250GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	Bulk Data Encryption
	HTS543216L9A300	0A56413	160GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	
	HTS543216L9SA01	0A56403	160GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	Bulk Data Encryption

Product name:	Model Number	Part number/Alternate part numbers	Capacity	Interface	Form Factor	RPM	Buffer	Other Information
Travelstar 5K320	HTS543212L9A300	0A56412	120GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	
	HTS543212L9SA01	0A56402	120GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	Bulk Data Encryption
	HTS543280L9SA01	0A56401	80GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	Bulk Data Encryption
	HTS543280L9A300	0A56411	80GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	
Travelstar 5K250	HTS542525K9SA00	0A53329 | 0A53409 | 0A54966	250GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	
	HTS542560K9SA00	0A53399	250GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	Bulk Data Encryption
	HTS542520K9SA00	0A52123	200GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	
	HTS542516K9SA00	0A52124 | 0A53404	160GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	
	HTS542520K9SA00	0A53394	160GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	Bulk Data Encryption
	HTS542512K9SA00	0A52126 | 0A53406	120GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	
	HTS542516K9SA00	0A53396	120GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	Bulk Data Encryption
	HTS542580K9SA00	0A52127 | 0A53407	80GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	
	HTS543212L9A300	0A53397	80GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	Bulk Data Encryption
Travelstar 5K160	HTS541616J9AT00	0A28419 | 0A50818	160GB	PATA 100MB/s	2.5-inch	5400	8MB	
	HTS541616J9SA00	0A28844 | 0A50820	160GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	
	HTS541612J9AT00	0A28418 | 0A50681	120GB	PATA 100MB/s	2.5-inch	5400	8MB	
	HTS541612J9SA00	0A52986 | 0A28843 | 0A52987	120GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	
	HTS541680J9AT00	0A28417	80GB	PATA 100MB/s	2.5-inch	5400	8MB	
	HTS541680J9SA00	0A28842	80GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	
	HTS541660J9AT00	0A28416	60GB	PATA 100MB/s	2.5-inch	5400	8MB	
	HTS541660J9SA00	0A28841	60GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	
	HTS541640J9SA00	0A28840	40GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	
	HTS541640J9AT00	0A28415	40GB	PATA 100MB/s	2.5-inch	5400	8MB	

Travelstar 7K320	HTE723232L9A300	0A59577	320GB	SATA 3.0Gb/s	2.5-inch	7200	16MB	Suitable for Mission-critical 24x7 applications
	HTE723225L9A300	0A59576	250GB	SATA 3.0Gb/s	2.5-inch	7200	16MB	Suitable for Mission-critical 24x7 applications
	HTE723216L9A300	0A59573	160GB	SATA 3.0Gb/s	2.5-inch	7200	16MB	Suitable for Mission-critical 24x7 applications
	HTE723212L9A300	0A59572	120GB	SATA 3.0Gb/s	2.5-inch	7200	16MB	Suitable for Mission-critical 24x7 applications
Travelstar E7K200	HTE722020K9A300	0A55005	200GB	SATA 3.0Gb/s	2.5-inch	7200	16MB	Suitable for Mission-critical 24x7 applications
	HTE722016K9A300	0A55004	160GB	SATA 3.0Gb/s	2.5-inch	7200	16MB	Suitable for Mission-critical 24x7 applications
	HTE722012K9A300	0A55003	120GB	SATA 3.0Gb/s	2.5-inch	7200	16MB	Suitable for Mission-critical 24x7 applications
Travelstar 5K500.B	HTE545050B9A300	Not Released Yet	500GB	SATA 3Gb/s	2.5-inch	5400	8MB	New Q1 2009. Mission-critical applications
	HTE545032B9A300	Not Released Yet	320GB	SATA 3Gb/s	2.5-inch	5400	8MB	New Q1 2009. Mission-critical applications
	HTE545025B9A300	Not Released Yet	250GB	SATA 3Gb/s	2.5-inch	5400	8MB	New Q1 2009. Mission-critical applications
	HTE545016B9A300	Not Released Yet	160GB	SATA 3Gb/s	2.5-inch	5400	8MB	New Q1 2009. Mission-critical applications

Product name:	Model Number	Part number/Alternate part numbers	Capacity	Interface	Form Factor	RPM	Buffer	Other Information
Travelstar E5K500	HTE545050KTA300	0A57319	500GB	SATA 3.0Gb/s	2.5-inch	5400	8MB	Suitable for Mission-critical 24x7 applications
Travelstar 5K320	HTE543232L9A300	0A58607	320GB	SATA 3.0Gb/s	2.5-inch	5400	8MB	Suitable for Mission-critical 24x7 applications
	HTE543225L9A300	0A58605	250GB	SATA 3.0Gb/s	2.5-inch	5400	8MB	Suitable for Mission-critical 24x7 applications
	HTE543216L9A300	0A58603	160GB	SATA 3.0Gb/s	2.5-inch	5400	8MB	Suitable for Mission-critical 24x7 applications
	HTE543212L9A300	0A58602	120GB	SATA 3.0Gb/s	2.5-inch	5400	8MB	Suitable for Mission-critical 24x7 applications
Travelstar E5K250	HTE542525K9A300	0A55266	250GB	SATA 3.0Gb/s	2.5-inch	5400	8MB	Suitable for Mission-critical 24x7 applications
	HTE542516K9A300	0A55264	160GB	SATA 3.0Gb/s	2.5-inch	5400	8MB	Suitable for Mission-critical 24x7 applications
	HTE542512K9A300	0A55263	120GB	SATA 3.0Gb/s	2.5-inch	5400	8MB	Suitable for Mission-critical 24x7 applications
	HTE542580K9A300	0A55261	80GB	SATA 3.0Gb/s	2.5-inch	5400	8MB	Suitable for Mission-critical 24x7 applications
Travelstar E5K160	HTE541616J9AT00	0A52383	160GB	PATA 100MB/s	2.5-inch	5400	8MB	Suitable for Mission-critical 24x7 applications
	HTE541612J9AT00	0A52382	120GB	PATA 100MB/s	2.5-inch	5400	8MB	Suitable for Mission-critical 24x7 applications
	HTE541680J9AT00	0A52381	80GB	PATA 100MB/s	2.5-inch	5400	8MB	Suitable for Mission-critical 24x7 applications
	HTE541660J9AT00	0A52380	60GB	PATA 100MB/s	2.5-inch	5400	8MB	Suitable for Mission-critical 24x7 applications

Product name:	Model Number	Part number/Alternate part numbers	Capacity	Interface	Form Factor	RPM	Buffer	Other Information
Endurastar J4K50	HEJ425050F9AT00	0A60006 | 0A60008	50GB	PATA 100MB/s	2.5-inch	4260	8MB	Op temp -30° to +85° C. 24x7 Specification
	HEJ425040F9AT00	0A60003 | 0A60005	40GB	PATA 100MB/s	2.5-inch	4260	8MB	Op temp -30° to +85° C. 24x7 Specification
	HEJ425030F9AT00	0A60000 | 0A60002	30GB	PATA 100MB/s	2.5-inch	4260	8MB	Op temp -30° to +85° C. 24x7 Specification
Endurastar N4K50	HEN425030F9AT00	0A60009	60GB	PATA 100MB/s	2.5-inch	4260	8MB	Op temp -16° to +70° C
	HEN425050F9AT00	0A60011	50GB	PATA 100MB/s	2.5-inch	4260	8MB	Op temp -16° to +70° C
	HEN425040F9AT00	0A60010	40GB	PATA 100MB/s	2.5-inch	4260	8MB	Op temp -16° to +70° C

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