Hard disk drives

Product reference guide



For more information visit:
www.hitachigst.com

2009 #14

Another stroke of genius from Hitachi

See inside to find out more about our colossal NEW 2TB hard drive!

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Products Highlights

Deskstar™ 7K2000
Huge capacity, highest 7200 RPM reliability for outstanding performance for desktop computing

The Deskstar 7K2000 delivers a colossal 2TB of storage capacity. Now in its fourth-generation, the unique 5-platter design from Hitachi utilizes relaxed bit density as well as the industries most reliable proven Perpendicular Magnetic Recording (PMR) technology.

Deskstar 7K1000.C
Exceptional blend of power efficiency and performance with up to 1TB capacity

Deskstar 7K1000.C is the 3rd generation of 1TB from Hitachi providing the right mix of performance and power efficiency making it ideal for power–friendly PCs.

Travelstar™ 7K500
7200RPM 2.5-inch hard drive with capacities ranging from 120GB to 500GB

Designed to support the high-performance needs of multi-tasking commercial users and consumers on-the-go, Travelstar 7K500 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.C
Power-efficient, high capacity storage optimized for digital video applications

Hitachi delivers its third-generation 1TB CinemaStar drive with best-in-class power management 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 5K1000
Cool, quiet, energy-efficient digital video storage with 24x7 availability

CinemaStar 5K1000 hard drive provides a generous 1TB of capacity and features innovative CoolSpin technology to deliver a new level of power efficiency and quiet operation for digital video applications.

Ultrastar™ A7K2000
Huge 2TB capacity, reliable, power-efficient hard drives for the enterprise

Delivers huge capacity to the enterprise, with up to 2TB of capacity, 7200 RPM performance and innovative technologies like Rotational Vibration Safeguard (RVS).

Ultrastar C10K300
Cool, compact with SAS 6Gb/s performance for 24x7 enterprise enviroments

The C10K300 drive delivers the performance and reliability demanded in high performance computing and mission-critical environments. The ultra fast SAS interface running at 6Gb/s improves data reliability, availability and scalability.

Endurastar™ J4K100
Drives that are built to perform in the harshest enviroments

With capacites up to 100GB and offering a wider temperature range and improved altitude range, the Endurastar J4K100 is designed to operate in the most severe conditions from -30˚C to +85˚C and altitudes of -300 to +5500 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

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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
- Safer product disposal through a reduction of toxic materials
- Creation of a more sustainable environment through conservation of natural resources in packaging and transportation

Enterprise	PC Storage	Compact DVR	Full-size DVR	Surveillance
Ultrastar 15K450	Deskstar 7K2000	CinemaStar C5K500	CinemaStar 7K1000.C	CinemaStar 7K1000.C
Ultrastar A7K2000	Deskstar 7K1000.C	CinemaStar C5K320	CinemaStar 7K1000.B	CinemaStar 7K1000.B
Ultrastar C10K300	Deskstar 7K1000.B		CinemaStar 5K1000	Deskstar E7K1000
Deskstar E7K1000	Travelstar 7K320		CinemaStar 5K500	CinemaStar 5K1000
	Travelstar 7K200		CinemaStar 5K320	CinemaStar C5K500
	Travelstar 7K500			CinemaStar C5K320
	Travelstar 5K500.B			Endurastar J4K100/N4K100
	Travelstar 5K320			
	Travelstar 5K250			

EcoTrac

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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 load/unload technology

Load/unload technology helps keep the read/write heads from coming 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 its 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 provides better performance and a much higher level of security.

Rotational Vibration Safeguard (RVS)

Enterprise class Hitachi hard drives 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 benchmark tests, this technology improves performance in business and high-end systems by as much as 300%.

HiVERT™ technology

The first introduction of Hitachi Voltage Efficiency Regulator (HiVERT) technology was on a 2.5 inch product now Hitachi uses this technology to achieve best-in-class power efficiency on 3.5 inch products. In fact the DeskstarP7K500 achieves power savings of up to 40% over previous-generation products. This reduction was accomplished 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 HiVERT technology 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 – iridium-manganese-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.



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Hitachi GST Global Operations

Hitachi GST has a relentless focus on leveraging its technology leadership to delight customers around the globe. Headquartered in San Jose, California, the company manufactures components and hard drives at six different locations worldwide. These facilities are strategically located near major customers, suppliers and partners. Hitachi GST is committed to customer satisfaction and provides customer support and service operations throughout the world. The company also has world-class research and development teams located in multiple geographies, which are easily accessible to our factories for pilot-line testing.



- Research and Development
- Manufacturing Locations
- Customer System Integration Labs
  China / Japan / Singapore / Taiwan / U.S.
- Logistics Centers
  Japan / Netherlands / Singapore / Taiwan / U.S.

Ultrastar: Proven reliability to help protect data in mission-critical applications. Stable design for fast and easy integration. Rotational Vibration Safeguard technology for great performance in multi-drive designs.

Product name	Model number	Part number/Alternate part numbers	Capacity	Interface	Form factor	RPM	Buffer	Other information
Ultrastar A7K2000	HUA722020ALA330	0F10452	2TB	SATA 3Gb/s	3.5-inch	7200	32MB	New Q3 2009
	HUA722020ALA331	0F10937	2TB	SATA 3Gb/s	3.5-inch	7200	32MB	Bulk Data Encryption - New Q3 2009
	HUA722010CLA330	0A39289	1TB	SATA 3Gb/s	3.5-inch	7200	32MB	New Q3 2009
	HUA722010CLA331	TBD	1TB	SATA 3Gb/s	3.5-inch	7200	32MB	Bulk Data Encryption - New Q3 2009
	HUA722050CLA330	TBD	500GB	SATA 3Gb/s	3.5-inch	7200	32MB	New Q3 2009
	HUA722050CLA331	TBD	500GB	SATA 3Gb/s	3.5-inch	7200	32MB	Bulk Data Encryption - New Q3 2009
Ultrastar 15K300	HUS153030VL3800	0B22138	300GB	Ultra320 (80 pin)	3.5-inch	15K	16MB	Suitable for mission-critical 24x7 applications
	HUS153030VLF400	0B22144	300GB	FC 4Gb/s	3.5-inch	15K	16MB	Suitable for mission-critical 24x7 applications
	HUS153030VLS300	0B22132	300GB	SAS 3Gb/s	3.5-inch	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 C10K300	HUC103030CSS600	0B23695	300GB	SAS 6Gb/s	2.5-inch	10K	64MB	Targeted 1.6 million hours MTBF
	HUC103014CSS600	0B23700	147GB	SAS 6Gb/s	2.5-inch	10K	64MB	Targeted 1.6 million hours MTBF
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: Reliable, power-efficient hard drives for value storage systems with Rotational Vibration Safeguard and 5-year warranty.

Deskstar E7K1000	HDE721010SLA330	0A38028	1TB	SATA 3Gb/s	3.5-inch	7200	32MB	Targeted 1.2 million hours MTBF
	HDE721075SLA330	0A38027	750GB	SATA 3Gb/s	3.5-inch	7200	32MB	Targeted 1.2 million hours MTBF
	HDE721050SLA330	0A38025	500GB	SATA 3Gb/s	3.5-inch	7200	32MB	Targeted 1.2 million hours MTBF

Deskstar: The Deskstar 7K2000 has a colossal 2TB of capacity, while delivering exceptional blend of power efficiency and performance making it an ideal solution for desktop storage.

Deskstar 7K2000	HDS722020ALA330	0F10311	2TB	SATA 3Gb/s	3.5-inch	7200	32MB	New Q3 2009
Deskstar 7K1000.C	HDS721010CLA332	0F10383	1TB	SATA 3Gb/s	3.5-inch	7200	32MB	New Q3 2009
	HDS721075CLA332	0F10382	750GB	SATA 3Gb/s	3.5-inch	7200	32MB	New Q3 2009
	HDS721064CLA332	0A39267	640GB	SATA 3Gb/s	3.5-inch	7200	32MB	New Q3 2009
	HDS721050CLA362	0F10381	500GB	SATA 3Gb/s	3.5-inch	7200	16MB	New Q3 2009

Deskstar: The Deskstar 7K2000 has a colossal 2TB of capacity, while delivering exceptional blend of power efficiency and performance making it an ideal solution for desktop storage.

Product name	Model number	Part number/Alternate part numbers	Capacity	Interface	Form factor	RPM	Buffer	Other information
Deskstar 7K1000.C	HDS721050CLA382	0F10380	500GB	SATA 3Gb/s	3.5-inch	7200	8MB	New Q3 2009
	HDS721032CLA362	0A39264	320GB	SATA 3Gb/s	3.5-inch	7200	16MB	New Q3 2009
	HDS721032CLA382	0A39263	320GB	SATA 3Gb/s	3.5-inch	7200	8MB	New Q3 2009
	HDS721025CLA382	0F10379	250GB	SATA 3Gb/s	3.5-inch	7200	8MB	New Q3 2009
	HDS721016CLA382	0A39261	160GB	SATA 3Gb/s	3.5-inch	7200	8MB	New Q3 2009
Deskstar 7K1000.B	HDT721010SLA360	0A38016 | 0A37993 | 0A38912	1TB	SATA 3Gb/s	3.5-inch	7200	16MB	Ideal for power friendly PCs
	HDT721075SLA360	0A37992 | 0A38911 | 0A38015	750GB	SATA 3Gb/s	3.5-inch	7200	16MB	Ideal for power friendly PCs
	HDT721064SLA360	0A38910 | 0A38014 | 0A37991	640GB	SATA 3Gb/s	3.5-inch	7200	16MB	Ideal for power friendly PCs
	HDT721032SLA380	0A38007 | 0A37574 | 0A38903	320GB	SATA 3Gb/s	3.5-inch	7200	8MB	Ideal for power friendly PCs
	HDT721032SLA360	0A38018	320GB	SATA 3Gb/s	3.5-inch	7200	16MB	Ideal for power friendly PCs
	HDT721025SLA380	0A38902 | 0A38006 | 0A37572	250GB	SATA 3Gb/s	3.5-inch	7200	8MB	Ideal for power friendly PCs
	HDT721016SLA380	0A37571 | 0A38901 | 0A38005	160GB	SATA 3Gb/s	3.5-inch	7200	8MB	Ideal for power friendly PCs
Deskstar 7K1000	HDS721010KLA330	0A33863 | 0A36414 | 0A35155 | 0A34915 0A34193	1TB	SATA 3Gb/s	3.5-inch	7200	32MB	
	HDS721075KLA330	0Y30042 | 0A36413 | 0A35154 | 0A34914 0A34192	750GB	SATA 3Gb/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 3Gb/s	3.5-inch	7200	16MB	
	HDP725050GLA380	0A36519	500GB	SATA 3Gb/s	3.5-inch	7200	8MB	
	HDP725032GLAT80	0A35393 | 0A36510	320GB	PATA 133MB/s	3.5-inch	7200	8MB	
	HDP725032GLA380	0A36517	320GB	SATA 3Gb/s	3.5-inch	7200	8MB	
	HDP725032GLA360	0A35411 | 0A36521	320GB	SATA 3Gb/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 3Gb/s	3.5-inch	7200	8MB	
	HDP725016GLAT80	0A35389	160GB	PATA 133MB/s	3.5-inch	7200	8MB	
	HDP725016GLA380	0A35398	160GB	SATA 3Gb/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 3Gb/s	3.5-inch	7200	16MB	
	HDT725032VLA360	0A33435	320GB	SATA 3Gb/s	3.5-inch	7200	16MB	
	HDT725032VLAT80	0A33405 | 0A33415	320GB	SATA 3Gb/s	3.5-inch	7200	8MB	
	HDT725025VLA380	0A33423 | 0A33428	250GB	SATA 3Gb/s	3.5-inch	7200	8MB	

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.

CinemaStar 7K1000.C	HCS721010CLA332	0F10776	1TB	SATA 3Gb/s	3.5-inch	7200	32MB	New Q3 2009
	HCS721075CLA332	0F10775	750GB	SATA 3Gb/s	3.5-inch	7200	32MB	New Q3 2009
	HCS721050CLA382	0F10774	500GB	SATA 3Gb/s	3.5-inch	7200	8MB	New Q3 2009
	HCS721032CLA382	0F10773	320GB	SATA 3Gb/s	3.5-inch	7200	8MB	New Q3 2009
	HCS721025CLA382	0F10772	250GB	SATA 3Gb/s	3.5-inch	7200	8MB	New Q3 2009

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.C	HCS721016CLA382	0F10771	160GB	SATA 3Gb/s	3.5-inch	7200	8MB	New Q3 2009
CinemaStar 5K1000	HCS5C1010CLA382	0A39420	1TB	SATA 3Gb/s	3.5-inch	-	8MB	Coolspin Technology - New Q3 2009
	HCS5C1075CLA382	0A39419	750GB	SATA 3Gb/s	3.5-inch	-	8MB	Coolspin Technology - New Q3 2009
	HCS5C1050CLA382	0A39418	500GB	SATA 3Gb/s	3.5-inch	-	8MB	Coolspin Technology - New Q3 2009
	HCS5C1032CLA382	0A39417	320GB	SATA 3Gb/s	3.5-inch	-	8MB	Coolspin Technology - New Q3 2009
	HCS5C1025CLA382	0A39416	250GB	SATA 3Gb/s	3.5-inch	-	8MB	Coolspin Technology - New Q3 2009
	HCS5C1016CLA382	0A39415	160GB	SATA 3Gb/s	3.5-inch	-	8MB	Coolspin Technology - New Q3 2009
CinemaStar 7K1000.B	HCT721010SLA360	0A37594	1TB	SATA 3Gb/s	3.5-inch	7200	16MB	Targeted 1.2 million hours MTBF
	HCT721075SLA380	0A37592	750GB	SATA 3Gb/s	3.5-inch	7200	8MB	Targeted 1.2 million hours MTBF
	HCT721064SLA380	0A37590	640GB	SATA 3Gb/s	3.5-inch	7200	8MB	Targeted 1.2 million hours MTBF
	HCT721050SLA380	0A37589	500GB	SATA 3Gb/s	3.5-inch	7200	8MB	Targeted 1.2 million hours MTBF
	HCT721032SLA380	0A37587	320GB	SATA 3Gb/s	3.5-inch	7200	8MB	Targeted 1.2 million hours MTBF
	HCT721025SLA380	0A37586	250GB	SATA 3Gb/s	3.5-inch	7200	8MB	Targeted 1.2 million hours MTBF
	HCT721016SLA380	0A37585	160GB	SATA 3Gb/s	3.5-inch	7200	8MB	Targeted 1.2 million hours MTBF
CinemaStar 7K1000	HCS721010KLA330	0A35274	1TB	SATA 3Gb/s	3.5-inch	7200	32MB	
	HCS721075KLA330	0A35273	750GB	SATA 3Gb/s	3.5-inch	7200	32MB	
CinemaStar 7K500	HCS725050VLAT80	0A33512	500GB	PATA 133MB/s	3.5-inch	7200	8MB	
	HCS725050VLA380	0A33516	500GB	SATA 3Gb/s	3.5-inch	7200	8MB	
	HCS725032VLAT80	0A33511	320GB	PATA 133MB/s	3.5-inch	7200	8MB	
	HCS725032VLA380	0A33515	320GB	SATA 3Gb/s	3.5-inch	7200	8MB	
	HCS725025VLAT80	0A33513	250GB	PATA 133MB/s	3.5-inch	7200	8MB	
	HCS725025VLA380	0A33517	250GB	SATA 3Gb/s	3.5-inch	7200	8MB	
CinemaStar P7K500	HCP725050GLAT80	0A37041	500GB	PATA 133MB/s	3.5-inch	7200	8MB	
	HCP725050GLA380	0A37045	500GB	SATA 3Gb/s	3.5-inch	7200	8MB	
	HCP725032GLAT80	0A37040	320GB	PATA 133MB/s	3.5-inch	7200	8MB	
	HCP725032GLA380	0A37044	320GB	SATA 3Gb/s	3.5-inch	7200	8MB	
	HCP725025GLAT80	0A37039	250GB	PATA 133MB/s	3.5-inch	7200	8MB	
	HCP725025GLA380	0A37043	250GB	SATA 3Gb/s	3.5-inch	7200	8MB	
	HCP725016GLAT80	0A37038	160GB	PATA 133MB/s	3.5-inch	7200	8MB	
	HCP725016GLA380	0A37042	160GB	SATA 3Gb/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 3Gb/s	3.5-inch	7200	8MB	
	HCS721680PLA380	0A33493	80GB	SATA 3Gb/s	3.5-inch	7200	8MB	
	HCS721680PLAT80	0A33481 | 0A33491	80GB	PATA 133MB/s	3.5-inch	7200	8MB	
CinemaStar 5K500	HCS545050GLA380	0A37965	500GB	SATA 3Gb/s	3.5-inch	-	8MB	New CoolSpin technology
	HCS545040GLA380	0A37964	400GB	SATA 3Gb/s	3.5-inch	-	8MB	New CoolSpin technology
CinemaStar 5K320	HCS5C3232SLA380	0A38963	320GB	SATA 3Gb/s	3.5-inch	-	8MB	New CoolSpin technology
	HCS5C3225SLA380	0A38962	250GB	SATA 3Gb/s	3.5-inch	-	8MB	New CoolSpin technology
CinemaStar C5K500	HCC545050B9A300	0A70535	500GB	SATA 3Gb/s	2.5-inch	5400	8MB	Fourth generation CE design
	HCC545032B9A300	0A70533	320GB	SATA 3Gb/s	2.5-inch	5400	8MB	Fourth generation CE design
	HCC545025B9A300	0A70532	250GB	SATA 3Gb/s	2.5-inch	5400	8MB	Fourth generation CE design
CinemaStar C5K500	HCC545016B9A300	0A70531	160GB	SATA 3Gb/s	2.5-inch	5400	8MB	Fourth generation CE design

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 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 7K500	HTS725050A9A364	0A72335	500GB	SATA 3Gb/s	2.5-inch	7200	16MB	New Q3 2009
	HTS725050A9A361	0A72345	500GB	SATA 3Gb/s	2.5-inch	7200	16MB	Bulk Data Encryption - New Q3 2009
	HTS725032A9A364	0A72333	320GB	SATA 3Gb/s	2.5-inch	7200	16MB	New Q3 2009
	HTS725032A9A361	0A72343	320GB	SATA 3Gb/s	2.5-inch	7200	16MB	Bulk Data Encryption - New Q3 2009
	HTS725025A9A364	0A72332	250GB	SATA 3Gb/s	2.5-inch	7200	16MB	New Q3 2009
	HTS725025A9A361	0A72342	250GB	SATA 3Gb/s	2.5-inch	7200	16MB	Bulk Data Encryption - New Q3 2009
	HTS725016A9A364	0A72331	160GB	SATA 3Gb/s	2.5-inch	7200	16MB	New Q3 2009
	HTS725016A9A361	0A72341	160GB	SATA 3Gb/s	2.5-inch	7200	16MB	Bulk Data Encryption - New Q3 2009
	HTS725012A9A364	0A72330	120GB	SATA 3Gb/s	2.5-inch	7200	16MB	New Q3 2009
	HTS725012A9A361	0A72340	120GB	SATA 3Gb/s	2.5-inch	7200	16MB	Bulk Data Encryption - New Q3 2009
Travelstar 7K320	HTS723232L9A360	0A57547	320GB	SATA 3Gb/s	2.5-inch	7200	16MB	
	HTS723232L9SA61	0A57527	320GB	SATA 1.5Gb/s	2.5-inch	7200	16MB	Bulk Data Encryption
Travelstar 7K320	HTS723225L9A360	0A57546	250GB	SATA 3Gb/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 3Gb/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 3Gb/s	2.5-inch	7200	16MB	
	HTS723212L9SA61	0A57522	120GB	SATA 1.5Gb/s	2.5-inch	7200	16MB	Bulk Data Encryption
	HTS723280L9A360	0A57541	80GB	SATA 3Gb/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 3Gb/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	
	HTS722016K9A300	0A53064	160GB	SATA 3Gb/s	2.5-inch	7200	16MB	
	HTS722016K9SA00	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	
	HTS722012K9A300	0A53063	120GB	SATA 3Gb/s	2.5-inch	7200	16MB	
	HTS722012K9SA00	0A53068	120GB	SATA 1.5Gb/s	2.5-inch	7200	16MB	Bulk Data Encryption
	HTS722012K9SA00	0A50938	120GB	SATA 1.5Gb/s	2.5-inch	7200	8MB	
	HTS722010K9A300	0A53062	100GB	SATA 3Gb/s	2.5-inch	7200	16MB	
	HTS722010K9SA00	0A53067	100GB	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: 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.

Product name	Model number	Part number/Alternate part numbers	Capacity	Interface	Form factor	RPM	Buffer	Other information
Travelstar 7K200	HTS722080K9A300	0A53061	80GB	SATA 3Gb/s	2.5-inch	7200	16MB	
	HTS722080K9SA00	0A50936	80GB	SATA 1.5Gb/s	2.5-inch	7200	8MB	
Travelstar 5K500.B	HTS545050B9A300	0A57915	500GB	SATA 3Gb/s	2.5-inch	5400	8MB	
	HTS545050B9A301	0A59505	500GB	SATA 3Gb/s	2.5-inch	5400	8MB	Bulk Data Encryption
	HTS545040B9A300	0A57914	400GB	SATA 3Gb/s	2.5-inch	5400	8MB	
	HTS545040B9A301	0A59504	400GB	SATA 3Gb/s	2.5-inch	5400	8MB	Bulk Data Encryption
	HTS545032B9A300	0A57913	320GB	SATA 3Gb/s	2.5-inch	5400	8MB	
	HTS545032B9A301	0A59503	320GB	SATA 3Gb/s	2.5-inch	5400	8MB	Bulk Data Encryption
	HTS545025B9A300	0A57912	250GB	SATA 3Gb/s	2.5-inch	5400	8MB	
	HTS545025B9A301	0A59502	250GB	SATA 3Gb/s	2.5-inch	5400	8MB	Bulk Data Encryption
	HTS545016B9A300	0A57911	160GB	SATA 3Gb/s	2.5-inch	5400	8MB	
	HTS545016B9A301	0A59501	160GB	SATA 3Gb/s	2.5-inch	5400	8MB	Bulk Data Encryption
	HTS545012B9A300	0A57910	120GB	SATA 3Gb/s	2.5-inch	5400	8MB	
	HTS545012B9A301	0A59500	120GB	SATA 3Gb/s	2.5-inch	5400	8MB	Bulk Data Encryption
Travelstar 5K320	HTS543232L9A300	0A56417	320GB	SATA 3Gb/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 3Gb/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 3Gb/s	2.5-inch	5400	8MB	
	HTS543216L9SA01	0A56403	160GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	Bulk Data Encryption
	HTS543212L9A300	0A56412	120GB	SATA 3Gb/s	2.5-inch	5400	8MB	
	HTS543212L9SA01	0A56402	120GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	Bulk Data Encryption
	HTS543280L9A300	0A56411	80GB	SATA 3Gb/s	2.5-inch	5400	8MB	
	HTS543280L9SA01	0A56401	80GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	Bulk Data Encryption
Travelstar 5K250	HTS542525K9A300	0A53329 I 0A53409 I 0A54966	250GB	SATA 3Gb/s	2.5-inch	5400	8MB	
	HTS542525K9SA00	0A53399	250GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	Bulk Data Encryption
	HTS542520K9A300	0A52123	200GB	SATA 3Gb/s	2.5-inch	5400	8MB	
	HTS542516K9A300	0A52124 I 0A53404	160GB	SATA 3Gb/s	2.5-inch	5400	8MB	
	HTS542516K9SA00	0A53394	160GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	Bulk Data Encryption
	HTS542512K9A300	0A52126 I 0A53406	120GB	SATA 3Gb/s	2.5-inch	5400	8MB	
	HTS542512K9SA00	0A53396	120GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	Bulk Data Encryption
	HTS542580K9A300	0A52127 I 0A53407	80GB	SATA 3Gb/s	2.5-inch	5400	8MB	
	HTS543280L9SA00	0A53397	80GB	SATA 1.5Gb/s	2.5-inch	5400	8MB	Bulk Data Encryption

Travelstar Enhanced Availability: These drives include design enhancements for data intensive applications requiring round-the-clock operation such as industrial systems, network routers/telephony, point-of-sale terminals, web hosting, and video surveillance.

Travelstar 7K320	HTE723232L9A300	0A59577	320GB	SATA 3Gb/s	2.5-inch	7200	16MB	Suitable for mission-critical 24x7 applications
	HTE723225L9A300	0A59576	250GB	SATA 3Gb/s	2.5-inch	7200	16MB	Suitable for mission-critical 24x7 applications
	HTE723216L9A300	0A59573	160GB	SATA 3Gb/s	2.5-inch	7200	16MB	Suitable for mission-critical 24x7 applications

Travelstar Enhanced Availability: These drives include design enhancements for data intensive applications requiring round-the-clock operation such as industrial systems, network routers/telephony, point-of-sale terminals, web hosting, and video surveillance.

Product name	Model number	Part number/Alternate part numbers	Capacity	Interface	Form factor	RPM	Buffer	Other information
Travelstar 7K320	HTE723212L9A300	0A59572	120GB	SATA 3Gb/s	2.5-inch	7200	16MB	Suitable for mission-critical 24x7 applications
Travelstar E7K200	HTE722020K9A300	0A55005	200GB	SATA 3Gb/s	2.5-inch	7200	16MB	Suitable for mission-critical 24x7 applications
Travelstar 7K500	HTE725050A9A364	0A73255	500GB	SATA 3Gb/s	2.5-inch	7200	16MB	Suitable for mission-critical 24x7 application
	HTE725032A9A364	0A73253	320GB	SATA 3Gb/s	2.5-inch	7200	16MB	Suitable for mission-critical 24x7 application
	HTE725025A9A364	0A73252	250GB	SATA 3Gb/s	2.5-inch	7200	16MB	Suitable for mission-critical 24x7 application
	HTE725016A9A364	0A73251	160GB	SATA 3Gb/s	2.5-inch	7200	16MB	Suitable for mission-critical 24x7 application
Travelstar E7K200	HTE722016K9A300	0A55004	160GB	SATA 3Gb/s	2.5-inch	7200	16MB	Suitable for mission-critical 24x7 applications
	HTE722016K9A300	0A55004	120GB	SATA 3Gb/s	2.5-inch	7200	16MB	Suitable for mission-critical 24x7 applications
Travelstar 5K500.B	HTE545050B9A300	0A70395	500GB	SATA 3Gb/s	2.5-inch	5400	8MB	Suitable for mission-critical 24x7 applications
	HTE545032B9A300	0A70393	320GB	SATA 3Gb/s	2.5-inch	5400	8MB	Suitable for mission-critical 24x7 applications
	HTE545025B9A300	0A70392	250GB	SATA 3Gb/s	2.5-inch	5400	8MB	Suitable for mission-critical 24x7 applications
	HTE545016B9A300	0A70391	160GB	SATA 3Gb/s	2.5-inch	5400	8MB	Suitable for mission-critical 24x7 applications
Travelstar E5K500	HTE545050KTA300	0A57319	500GB	SATA 3Gb/s	2.5-inch	5400	8MB	Suitable for mission-critical 24x7 applications
Travelstar 5K320	HTE543232L9A300	0A58607	320GB	SATA 3Gb/s	2.5-inch	5400	8MB	Suitable for mission-critical 24x7 applications
	HTE543225L9A300	0A58605	250GB	SATA 3Gb/s	2.5-inch	5400	8MB	Suitable for mission-critical 24x7 applications
	HTE543216L9A300	0A58603	160GB	SATA 3Gb/s	2.5-inch	5400	8MB	Suitable for mission-critical 24x7 applications
	HTE543212L9A300	0A58602	120GB	SATA 3Gb/s	2.5-inch	5400	8MB	Suitable for mission-critical 24x7 applications
Travelstar E5K250	HTE542525K9A300	0A55266	250GB	SATA 3Gb/s	2.5-inch	5400	8MB	Suitable for mission-critical 24x7 applications
	HTE542516K9A300	0A55264	160GB	SATA 3Gb/s	2.5-inch	5400	8MB	Suitable for mission-critical 24x7 applications
	HTE542512K9A300	0A55263	120GB	SATA 3Gb/s	2.5-inch	5400	8MB	Suitable for mission-critical 24x7 applications
	HTE542580K9A300	0A55261	80GB	SATA 3Gb/s	2.5-inch	5400	8MB	Suitable for mission-critical 24x7 applications

Endurastar: Designed specifically to perform in extreme temperature environments. Ideal for automotive entertainment, surveillance and navigation applications. Now offering a much wider temperature range and industry-leading altitude specifications.

Endurastar J4K100	HEJ421010G9AT00	0A60166 I 0A60167	100GB	PATA 100MB/s	2.5-inch	4200	8MB	Op temp -30° to +85° C
	HEJ421010G9SA00	0A60173 I 0A60174	100GB	SATA 1.5Gb/s	2.5-inch	4200	8MB	Op temp -30° to +85° C
	HEJ421080G9AT00	0A60164 I 0A60165	80GB	PATA 100MB/s	2.5-inch	4200	8MB	Op temp -30° to +85° C
	HEJ421080G9SA00	0A60171 I 0A60172	80GB	SATA 1.5Gb/s	2.5-inch	4200	8MB	Op temp -30° to +85° C
	HEJ421040G9AT00	0A60162 I 0A60163	40GB	PATA 100MB/s	2.5-inch	4200	8MB	Op temp -30° to +85° C
Endurastar N4K100	HEN421010G9AT00	0A60170	100GB	PATA 100MB/s	2.5-inch	4200	8MB	Op temp -20° to +75° C
	HEN421080G9AT00	0A60169	80GB	PATA 100MB/s	2.5-inch	4200	8MB	Op temp -20° to +75° C
	HEN421040G9T00	0A60168	40GB	PATA 100MB/s	2.5-inch	4200	8MB	Op temp -20° to +75° C
Endurastar J4K50	HEJ425050F9AT00	0A60006 I 0A60008	50GB	PATA 100MB/s	2.5-inch	4260	8MB	Op temp -30° to +85° C
	HEJ425040F9AT00	0A60003 I 0A60005	40GB	PATA 100MB/s	2.5-inch	4260	8MB	Op temp -30° to +85° C
	HEJ425030F9AT00	0A60000 I 0A60002	30GB	PATA 100MB/s	2.5-inch	4260	8MB	Op temp -30° to +85° C
Endurastar N4K50	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
	HEN425030F9AT00	0A60009	30GB	PATA 100MB/s	2.5-inch	4260	8MB	Op temp -16° to +70° C

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One GB is equal to one billion bytes and one TB equals 1,000GB (one trillion bytes) when referring to hard drive capacity. Accessible capacity may be less.

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