

HGST Ultrastar® 7K4000 SATA



HGST Ultrastar 7K4000 is the world's first 4TB 7200 RPM hard drive with a 2.0 million hours MTBF specification and backed by a full 5-year warranty, originally offered with SATA 6Gb/s and now also available with a SAS interface. Ultrastar 7K4000 represents the sixth-generation HGST 5-platter design, which has been field proven by top server and storage OEMs and Internet giants. Engineered for the highest quality, the Ultrastar 7K4000 is put through grueling design tests during development and must pass stringent ongoing reliability testing during manufacturing. Ultrastar 7K4000 delivers by reducing downtime, eliminating service calls and minimizing TCO.

Storage systems

AIC XJ1100	HGST tested
HP D2600 Disk Enclosure	HGST tested
Promise VTrak E610sD/VTrak E610sS	HGST tested
Promise VTrak J310sD/VTrak J310sS	HGST tested
Promise VTrak J610sD/VTrak J610sS	HGST tested

Host Bus Adapters

ATTO ExpressSAS H608	HGST tested
ATTO ExpressSAS H680	HGST tested
ATTO ExpressSAS H6Fo	HGST tested
Adaptec 1045 / 1405	HGST tested
Adaptec 6405H / 6805H	Adaptec tested
Adaptec 71605He and 70165He with maxCrypto	Adaptec tested
Adaptec 7805H / 7085H / 71605H / 70165H	Adaptec tested
Areca ARC-1300-4i / 1300-4x / 1300ix-16	HGST tested
Areca ARC-1320-8i / 4i4x / 8x / 16	HGST tested
LSI SAS 3442E-R	HGST tested
LSI SAS 3801E	HGST tested
LSI SAS 9200-8e	HGST tested / LSI tested
LSI SAS 9201-16e	LSI tested
LSI SAS 9201-16i	HGST tested / LSI tested
LSI SAS 9205-8e	HGST tested / LSI tested
LSI SAS 9206-16e	HGST tested / LSI tested
LSI SAS 9207-4i4e	LSI tested
LSI SAS 9207-8e	LSI tested
LSI SAS 9207-8i	LSI tested
LSI SAS 9300-4i	LSI tested
LSI SAS 9300-4i4e	LSI tested

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Host Bus Adapters continued

LSI SAS 9300-8i

LSI tested

RAID Controllers

ATTO ExpressSAS H60F

HGST tested

ATTO ExpressSAS H644

HGST tested

ATTO ExpressSAS R60F

HGST tested

ATTO ExpressSAS R680

HGST tested

Adaptec RAID 2045

HGST tested

Adaptec RAID 2405

HGST tested

Adaptec RAID 3085

HGST tested

Adaptec RAID 31605

HGST tested

Adaptec RAID 3805

HGST tested

Adaptec RAID 51245 / 51645 / 52445 / 5405 / 5445 / 5805

HGST tested

Adaptec RAID 5405Z / 5805Z

HGST tested

Adaptec RAID 5445Z

HGST tested

Adaptec RAID 6405 / 6445 / 6805 / 6405T / 6805T

HGST tested / Adaptec tested

Adaptec RAID 6405E / 6805E

Adaptec tested

Adaptec RAID 6805Q and 6805TQ with maxCache 2.0

Adaptec tested

Adaptec RAID 71605E

Adaptec tested

Adaptec RAID 7805 / 71605 / 71685 / 78165 / 72405

Adaptec tested

Adaptec RAID 7805Q and 71605Q with maxCache 3.0

Adaptec tested

Areca ARC-1880-ixl-8/12

HGST tested

Dell PERC 6/i

HGST tested

Dell PERC H200

HGST tested

Dell PERC H700

HGST tested

Dell SAS 6/iR

HGST tested

HP Smart Array P212

HGST tested

HighPoint RocketRAID 2680 / 2644x4 / 2642 / 2640x4 / 2640x1

HGST tested

HighPoint RocketRAID 2710 / 2711 / / 2720 / 2720SGL / 2721 / 2722

HGST tested

HighPoint RocketRAID 4320

HGST tested

Intel RS25DB080

Intel tested

Intel RS25NB008

Intel tested

Intel RS2BLO40

Intel tested

Intel RS2BLO80

Intel tested

Intel RS2MBO44

Intel tested

Intel RS2PI008

Intel tested

Intel RS2SG244

Intel tested

Intel RS2VBO40

Intel tested

Intel RS2VBO80

Intel tested

Intel RS2WCO40

Intel tested

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RAID Controllers continued

Intel RS2WCo80	Intel tested
Intel RS2WG160	Intel tested
LSI 3Ware SAS 9750-4i	HGST tested / LSI tested
LSI 3Ware SAS 9750-8i	HGST tested / LSI tested
LSI 3ware SAS 9750-16i4e	LSI tested
LSI 3ware SAS 9750-24i4e	LSI tested
LSI 3ware SAS 9750-4i4e	LSI tested
LSI 3ware SAS 9750-8e	LSI tested
LSI MegaRAID SAS 8704EM2	HGST tested
LSI MegaRAID SAS 8708EM2	HGST tested
LSI MegaRAID SAS 8880EM2	HGST tested
LSI MegaRAID SAS 8888ELP	HGST tested
LSI MegaRAID SAS 9240-4i	HGST tested / LSI tested
LSI MegaRAID SAS 9240-8i	HGST tested / LSI tested
LSI MegaRAID SAS 9260-16i	LSI tested
LSI MegaRAID SAS 9260-4i	HGST tested / LSI tested
LSI MegaRAID SAS 9260-8i / 9260DE-8i	HGST tested / LSI tested
LSI MegaRAID SAS 9261-8i	LSI tested
LSI MegaRAID SAS 9265-8i	HGST tested / LSI tested
LSI MegaRAID SAS 9266-4i	LSI tested
LSI MegaRAID SAS 9266-8i	LSI tested
LSI MegaRAID SAS 9270-8i	LSI tested
LSI MegaRAID SAS 9271-4i	LSI tested
LSI MegaRAID SAS 9271-8i	LSI tested
LSI MegaRAID SAS 9271-8iCC	LSI tested
LSI MegaRAID SAS 9280-16i4e	LSI tested
LSI MegaRAID SAS 9280-24i4e	LSI tested
LSI MegaRAID SAS 9280-4i4e	HGST tested / LSI tested
LSI MegaRAID SAS 9280-8e / 9280DE-8e	HGST tested / LSI tested
LSI MegaRAID SAS 9285-8e	HGST tested / LSI tested
LSI MegaRAID SAS 9285CV-8e	LSI tested
LSI MegaRAID SAS 9286-8e	LSI tested
LSI MegaRAID SAS 9286CV-8e	HGST tested / LSI tested
LSI MegaRAID SAS 9286CV-8eCC	LSI tested
LSI SAS 1068E	HGST tested
LSI SAS 2008	HGST tested
LSI SAS 2308	HGST tested
LSI SAS 3041E-R	HGST tested
LSI SAS 3081E-R	HGST tested
LSI SAS 9211-4i	HGST tested / LSI tested
LSI SAS 9211-8i	HGST tested / LSI tested

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RAID Controllers continued

LSI SAS 9212-4i4e	HGST tested / LSI tested
LSI SAS 9300-8e	LSI tested
LSI SAS 9311-4i4e	LSI tested
LSI SAS 9311-8i	LSI tested
Marvell 88SE9485/9445, 88RC9580, 88SE64xx (IC)	HGST tested
PMC-Sierra PM8001 SPC 8x6G	HGST tested
Promise FastTrak TX4650	HGST tested
Promise SuperTrak EX16650 / EX8658 / EX8654 / EX8650 / EX4650	HGST tested
Promise SuperTrak EX8760T / EX8768	HGST tested

Server systems

Dell PowerEdge R515	HGST tested
Dell PowerEdge T410	HGST tested
Dell PowerEdge T610	HGST tested
HP Proliant DL380 G7	HGST tested
Intel P4304SC2SFEN	Intel tested
Intel P4308CP4MHEN	Intel tested
Intel P4308CP4MHGC	Intel tested
Intel P4308IP4LHJC	Intel tested
Intel P4308SC2MHGC	Intel tested
Intel R1304EP2SHFN	Intel tested
Intel R1304GZ4GC	Intel tested
Intel R1304SP2SFBN	Intel tested
Intel R1304SP2SHBN	Intel tested
Intel R1304SP4SHOC	Intel tested
Intel R2304LH2HKC	Intel tested
Intel R2308GL4GS	Intel tested
Intel R2308GZ4GC	Intel tested
Intel R2308IP4LHPC	Intel tested
Intel R2308SC2SHFN	Intel tested
Intel R2312GL4GS	Intel tested
Intel R2312IP4LHPC	Intel tested
Intel R2312SC2SHGR	Intel tested
Quanta Stratos S100-X1S1N	HGST tested

Motherboards

Intel Workstation Board P4304CR2LFGN	Intel tested
Intel Workstation Board P4304CR2LFJN	Intel tested
Intel Workstation Board P4304CR2LFKN	Intel tested

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Expanders continued

Expanders

LSI SAS2x36	HGST tested
LSI SASx12A	HGST tested
LSI SASx36	HGST tested
Maxim MAX72018	HGST tested
Maxim MAX72024	HGST tested
Maxim MAX72038	HGST tested
Maxim MAX72044	HGST tested
Maxim VSC7153	HGST tested
Maxim VSC7156	HGST tested
Maxim VSC7157	HGST tested
Maxim VSC7158	HGST tested
Maxim VSC7160	HGST tested
PMC-Sierra PM8005 SXP 36x6GSec	HGST tested
Rancho RSI-SAS36EXP	HGST tested
Rancho RTSASRFO-12X	HGST tested

Operating systems

Microsoft Windows Server 2008 64-bit	HGST tested
Microsoft Windows Server 2008 R2	HGST tested
Microsoft Windows Server 2008 SP2	HGST tested
Microsoft Windows Server 2008 x64 SP2	HGST tested
Microsoft Windows XP	HGST tested
SUSE Linux Enterprise Server 11	HGST tested

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The HGST Integration Lab tested these HGST products for compatibility with a wide variety of systems, host bus adapters, enclosures, operating systems, etc. Testing was performed to demonstrate compatibility with the following hardware and software. Other combinations of hardware and software are expected to function with this product family, but have not been evaluated. This compatibility testing confirms simply that the hard drive was recognized, partitioned and then data was written to and read from it. Drive capacity and interface speed are not always verified during compatibility testing. HGST always tests the highest capacity drive per product family, yet for the specific model and firmware versions tested please contact your sales or technical representative. HGST recommends you back up all data before installing your new hard drive.

Partner tested products were HGST products confirmed to function properly with the specific partner systems, host bus adapters, enclosures, operating systems, etc. For the details of the test please contact specific Partner. Product specifications provided do not constitute a warranty. Information is true as of the date of publication and is subject to change. Actual specifications for unique part numbers may vary.

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