



HGST Ultrastar® He12

Laying the foundation for a worry-free data center, HGST delivers capacity to conquer the data explosion – Ultrastar® He12 HDD. Designed to handle workloads up to 550TB per year, the Ultrastar He12 HDD is the industry’s first 12TB drive and uses PMR technology to make it drop-in ready for any enterprise-capacity application or environment. The stable internal environment created by fourth-generation HelioSeal® technology enables a new 8-disk design, increasing the capacity by 20% when compared to the 7-disk design of the prior generation. This highest capacity helium drive offers the lowest power profile in the industry to help data center architects meet eco-environmental goals and requirements. Targeted at 2.5M hours MTBF, the Ultrastar He12 HDD provides the highest reliability rating available of all HDDs on the market today by building on the successful design of its 10TB, 8TB and 6TB predecessors. Trust HGST and the Ultrastar He12 HDD to deliver more capacity, more efficiency, more reliability and more value to your data center.

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AIC RSC-2ET0
[Supermicro SC826BE1C](#)

HGST tested
 HGST tested

Storage systems

[AIC RSC-3EG2-8oR](#)
[AIC RSC-3EH](#)
[CIDesign NSR316](#)
[Chenbro RM31616](#)
 NEWISYS NDS-316oJD
[Supermicro SC836TQ](#)

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Host Bus Adapters

[ATTO ExpressSAS H6o8](#)
[ATTO ExpressSAS H68o](#)
[ATTO H12o8](#)
 Adaptec 1000
[Adaptec 64o5H / 68o5H](#)
[Adaptec 716o5He and 7o165He with maxCrypto](#)
[Adaptec 78o5H / 7o85H / 716o5H / 7o165H](#)
 Intel RES3TV36o
 Intel RMS3HCo8o
 Intel RMS3JCo8o
 Intel RMS3VC16o

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Host Bus Adapters continued

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|-------------------|-------------|
| Intel RS3UCo8oJ | HGST tested |
| Intel RS3WCo8o | HGST tested |
| LSI 9211-8e | HGST tested |
| LSI 9305-16e | HGST tested |
| LSI 9305-16i | HGST tested |
| LSI 9305-24i | HGST tested |
| LSI SAS 9205-8e | HGST tested |
| LSI SAS 9207-4i4e | HGST tested |
| LSI SAS 9207-8e | HGST tested |
| LSI SAS 9207-8i | HGST tested |
| LSI SAS 9300-4i | HGST tested |
| LSI SAS 9300-4i4e | HGST tested |
| LSI SAS 9300-8e | HGST tested |
| LSI SAS 9300-8i | HGST tested |

RAID Controllers

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| ATTO ExpressSAS H644 | HGST tested |
| ATTO ExpressSAS R608 | HGST tested |
| ATTO ExpressSAS R644 | HGST tested |
| ATTO ExpressSAS R680 | HGST tested |
| Adaptec Adaptec RAID 8885Q with maxCache 3.0 | HGST tested |
| Adaptec RAID 6405 / 6445 / 6805 / 6405T / 6805T | HGST tested |
| Adaptec RAID 6805Q and 6805TQ with maxCache 2.0 | HGST tested |
| Adaptec RAID 71605E | HGST tested |
| Adaptec RAID 7805 / 71605 / 71685 / 78165 / 72405 | HGST tested |
| Adaptec RAID 81605ZQ with maxCache 3.0 | HGST tested |
| Adaptec RAID 8885 / 8805 / 8405 | HGST tested |
| Areca ARC-1882i / 1882x / 1882LP / 1882ix-12/16/24 | HGST tested |
| Areca ARC-1883i | HGST tested |
| Avago MegaRAID SAS 9260-16i | HGST tested |
| Avago MegaRAID SAS 9260-4i | HGST tested |
| Avago MegaRAID SAS 9260-8i / 9260DE-8i | HGST tested |
| Avago MegaRAID SAS 9260CV-4i | HGST tested |
| Avago MegaRAID SAS 9260CV-8i | HGST tested |
| Avago MegaRAID SAS 9261-8i | HGST tested |
| Avago MegaRAID SAS 9265-8i | HGST tested |
| Avago MegaRAID SAS 9266-4i | HGST tested |
| Avago MegaRAID SAS 9280-16i4e | HGST tested |
| Avago MegaRAID SAS 9280-24i4e | HGST tested |
| Avago MegaRAID SAS 9280-4i4e | HGST tested |



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RAID Controllers continued

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| Avago MegaRAID SAS 9280-8e / 9280DE-8e | HGST tested |
| Avago MegaRAID SAS 9285-8e | HGST tested |
| Avago MegaRAID SAS 9341-8i | HGST tested |
| Intel RMS3AC160 | HGST tested |
| Intel RMS3CCo40 | HGST tested |
| Intel RMS3CCo80 | HGST tested |
| Intel RS25AB080 | HGST tested |
| Intel RS25DB080 | HGST tested |
| Intel RS25NB008 | HGST tested |
| Intel RS25SB008 | HGST tested |
| Intel RS2BLo40 | HGST tested |
| Intel RS2BLo80 | HGST tested |
| Intel RS2BLo80DE | HGST tested |
| Intel RS2BLo80SNGL | HGST tested |
| Intel RS2MBo44 | HGST tested |
| Intel RS2PI008DE | HGST tested |
| Intel RS2SG244SNGL | HGST tested |
| Intel RS2VBo40 | HGST tested |
| Intel RS2VBo80 | HGST tested |
| Intel RS2WCo40 | HGST tested |
| Intel RS2WCo80 | HGST tested |
| Intel RS2WG160 | HGST tested |
| Intel RS3DCo40 | HGST tested |
| Intel RS3DCo80 | HGST tested |
| Intel RS3FCo44 | HGST tested |
| Intel RS3GC008 | HGST tested |
| Intel RS3MCo44 | HGST tested |
| Intel RS3SC008 | HGST tested |
| Intel RS3UCo80 | HGST tested |
| LSI 2108 | HGST tested |
| LSI 2208 | HGST tested |
| LSI 3008 | HGST tested |
| LSI 3108 | HGST tested |
| LSI LSI MegaRaid 9361-8i | HGST tested |
| LSI MegaRAID 9240-8i | HGST tested |
| LSI MegaRAID SAS 9240-4i | HGST tested |
| LSI SAS 2008 | HGST tested |
| LSI SAS 2308 | HGST tested |
| LSI SAS 9211-4i | HGST tested |
| LSI SAS 9211-8i | HGST tested |
| LSI SAS 9212-4i4e | HGST tested |



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RAID Controllers continued

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|--|-------------|
| LSI SAS 9285CV-8e | HGST tested |
| LSI Syncro CS 9271-8i | HGST tested |
| LSI Syncro CS 9286-8e | HGST tested |
| Marvell 88SE9485/9445, 88RC9580, 88SE64xx (IC) | HGST tested |
| PMC-Sierra PM8001 SPC 8x6G | HGST tested |
| PMC-Sierra PM8013 | HGST tested |
| PMC-Sierra PM8015 | HGST tested |
| PMC-Sierra PM8019 | HGST tested |
| PMC-Sierra PM8063 | HGST tested |

Operating systems

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| CentOS 6.6 | HGST tested |
| CentOS CentOS 7.0 | HGST tested |
| Microsoft Windows Server 2012 R2 64-bit | HGST tested |
| Microsoft Windows Server 2016 | HGST tested |
| Red Hat Enterprise Linux 6.0 | HGST tested |
| Red Hat Enterprise Linux 7 | HGST tested |
| SUSE Linux Enterprise Server 11 | HGST tested |
| SUSE Linux Enterprise Server 12.1 | HGST tested |

I/O Processor

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|-------------------|-------------|
| LSI 3216/3224 | HGST tested |
| PMC-Sierra PM8018 | HGST tested |
| PMC-Sierra PM8069 | HGST tested |
| PMC-Sierra PM8070 | HGST tested |
| PMC-Sierra PM8072 | HGST tested |

Expanders

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|--------------------------------|-------------|
| LSI LSISAS2X24 | HGST tested |
| LSI LSISAS2X28 | HGST tested |
| LSI LSISAS2X36 | HGST tested |
| LSI LSISAS3X36 | HGST tested |
| LSI LSISAS3X40 | HGST tested |
| LSI LSISAS3X48 | HGST tested |
| PMC-Sierra PM8004 SXP 24x6Gsec | HGST tested |
| PMC-Sierra PM8005 SXP 36x6GSec | HGST tested |
| PMC-Sierra PM8043 | HGST tested |
| PMC-Sierra PM8044 | HGST tested |



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Expanders continued

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|-------------------|-------------|
| PMC-Sierra PM8053 | HGST tested |
| PMC-Sierra PM8054 | HGST tested |
| PMC-Sierra PM8055 | HGST tested |
| PMC-Sierra PM8056 | HGST tested |
| PMC-Sierra PM8057 | HGST tested |

Server chassis

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| Supermicro SC825TQ | HGST tested |
| Supermicro SC826E26 | HGST tested |
| Supermicro SC836A | HGST tested |

Server systems

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| TST ESR-316 | 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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