



HGST Ultrastar® He6

It's the world's first hermetically sealed, helium hard drive, the Ultrastar He6 for massive scale-out environments. Replacing air with helium inside a hard drive dramatically reduces the turbulence caused by the spinning disks, cuts power consumption and results in a lower temperature within the disk drive. The reduction in turbulence for the spinning disk allows HGST to deliver a seven-disk design in a traditional 3.5-inch form factor. In addition to being the world's first helium-filled hard drive, HGST Ultrastar He6 is also the first hard drive in the industry to offer a 6-terabyte capacity.

This design provides a 50% capacity gain and still reduces the energy needed to run the drive by up to 23%.

Host Bus Adapters

ATTO ExpressSAS H6Fo	HGST tested
Adaptec 1045 / 1405	HGST tested
Areca ARC-1300-4i / 1300-4x / 1300ix-16	HGST tested
Areca ARC-1320-8i / 4i4x / 8x / 16	HGST tested
Emulex LPe11000	HGST tested
LSI SAS 3442E-R	HGST tested
LSI SAS 9200-8e	HGST tested
LSI SAS 9205-8e	HGST tested
LSI SAS 9300-8i	LSI tested

RAID Controllers

Adaptec RAID 2405	HGST tested
Adaptec RAID 31605	HGST tested
Adaptec RAID 3805	HGST tested
Adaptec RAID 51245 / 51645 / 52445 / 5405 / 5445 / 5805	HGST tested
Adaptec RAID 6405 / 6445 / 6805 / 6405T / 6805T	HGST tested
Adaptec RAID 6405E / 6805E	Adaptec tested
Adaptec RAID 6805Q and 6805TQ with maxCache 2.0	Adaptec tested
Adaptec RAID 8885 / 8805 / 8405	Adaptec tested
Areca ARC-1880-ixl-8/12	HGST tested
HighPoint RocketRAID 2710 / 2711 / / 2720 / 2720SGL / 2721 / 2722	HGST tested
HighPoint RocketRAID 4320	HGST tested
LSI LSI MegaRaid 9361-8e	LSI tested
LSI MegaRAID SAS 9240-8i	HGST tested
LSI MegaRAID SAS 9280-8e / 9280DE-8e	HGST tested
LSI MegaRAID SAS 9285-8e	HGST tested



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RAID Controllers continued

LSI SAS 9212-4i4e	LSI tested
LSI SAS 9285CV-8e	HGST tested
Promise SuperTrak EX16650 / EX8658 / EX8654 / EX8650 / EX4650	HGST tested
Promise SuperTrak EX8760T / EX8768	HGST tested

Storage systems

Green Revolution Cooling CarnotJet	Vendor tested
Open Compute Project Open Vault	HGST tested
Supermicro SuperChassis 847E16-RJBOD1	HGST tested

Server systems

Huawei Tecal RH2285 V2	HGST tested
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Expanders

LSI SAS2x36	HGST tested
LSI SASx12A	HGST tested
LSI SASx36	HGST tested
Maxim MAX72024	HGST tested
Maxim VSC7160	HGST tested
PMC-Sierra PM8004 SXP 24x6Gsec	HGST tested
PMC-Sierra PM8005 SXP 36x6GSec	HGST tested
Rancho RSI-SAS36EXP	HGST tested
Rancho RTSASRFO-12X	HGST tested

Server chassis

Supermicro SuperChassis 826	HGST tested
Supermicro SuperChassis 836	HGST tested
Supermicro SuperChassis 847	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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