HGST Ultrastar® He8

8TB capacity and 23% lower energy consumption. That's the power of helium. Meet Ultrastar He8, HGST's second-generation hard drive based on the widely accepted and proven HelioSeal™ platform. With 8TB and 6TB capacity points, Ultrastar He8 goes beyond what any other HDD can do using air and raises the standard for capacity and power efficiency in cloud and hyperscale data center environments.

We recognize the growing pressures that data centers face. Volume is expanding, Operating costs are rising while budgets remain flat. Lowering the total cost of ownership (TCO) has become the focus of data center architects. Through HGST's patented HelioSeal process, the Ultrastar He8 provides the best TCO value proposition by delivering the industry's highest capacity at 8TB, a low 5.1 idle watts, a reduced weight of 650g, and running 4-5°C cooler.

Cooler and quieter with industry-leading power efficiency (Watts/TB), the Ultrastar He8 lays the foundation for future growth in massive scale-out environments.

Storage systems

AIC Xtore XJ-SA24-316R-B	HGST tested
DataON CiB-9112 V12	DataON tested
DataON DNS-1600	HGST tested
Promise VTrak J830s	HGST tested
Xyratex OneStor SP-3212	HGST tested
Xyratex OneStor SP-3424	HGST tested

Host Bus Adapters

ATTO ExpressSAS H608	HGST tested
ATTO ExpressSAS H6F0	HGST tested
ATTO H1208	HGST tested
Adaptec 81605ZQ	HGST tested
LSI SAS 9207-4i4e	HGST tested
LSI SAS 9300-8e	HGST tested

RAID Controllers

ATTO ExpressSAS H60F	HGST tested
Adaptec RAID 6405 / 6445 / 6805 / 6405T / 6805T	HGST tested
Adaptec RAID 6405E / 6805E	HGST tested
Adaptec RAID 71605E	HGST tested

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RAID Controllers continued

Adaptec RAID 7805 / 71605 / 71685 / 78165 / 72405	HGST tested
Adaptec RAID 7805Q and 71605Q 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 9265-8i	HGST tested
Avago MegaRAID SAS 9280-24i4e	HGST tested
Intel RS2PI008	HGST tested
LSI LSI MegaRaid 9361-8i	HGST tested
LSI MegaRAID 9240-8i	HGST tested
Promise SuperTrak EX8760T / EX8768	HGST tested

Security

CSRC-NIST FIPS 140-2 certified – certificate #2348	CSRC-NIST tested

HGST
a Western Digital company

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.