



4U60 Storage Enclosure

Features

- Up to 60 integrated Ultrastar® drive modules
 - Available with 512e or 4Kn sector size (by part number)
 - Available option to configure up to 12 Ultrastar SSDs to create separate performance tiers within the enclosure
 - Available with SAS drives for HA application or with SATA drives for cost optimized applications
- Host connectivity 2 x SAS QSFP+ receptacles per IO Module; optional connectivity cables are available
 - QSFP+ to HD mini SAS cables for host
 - QSFP+ to QSFP+ cables for daisy-chaining*
- Hot Swappable: two power supplies (with integrated fans), drive modules, and IO modules
- Fully compliant with SAS 3.0 specification for operation up to 12Gbps
- Optional cable management arm eliminates tangled cables during servicing of hot-swappable CRUs
- SCSI Enclosure Services (SES-3)
- Microsoft Certified for Windows Server 2012, 2012 R2 & 2016
- 5-year limited warranty

*Up to 4 storage enclosures supported for daisy-chaining

The HGST 4U60 Storage Enclosure is a high-density, scalable, and cost-effective design, up to 60 Ultrastar® 3.5-inch drive modules (in multiples of 12) in a 4U enclosure. It offers 2x2x4-lane SAS 12Gb/s performance, high availability (HA), and hot-swappable components. The design is targeted towards data centers that need a dense solution with HA capabilities, while maintaining a low power profile.



4U60 JBOD

Up to 60 Ultrastar drive modules

Available with 4 drive module capacities¹: 10TB, 8TB, 6TB and 4TB

For a complete list of available HDD and SSD drive modules and accessories, see the P/N Selector tab at www.hgst.com/4U60. Contact your HGST Sales representative for information on how to order.

Specifications

Capacity / Physical Size

Capacity ¹	600TB with 10TB drive modules
Height	174.8 mm (6.88 in.) – 4 Rack Units
Width	424 mm (16.69 in.)
Depth	983 mm (38.7 in.) – including cable management
Weight	600TB / 480TB 89.81 kg (198 lbs.) – fully configured with 60 helium drive modules 360TB / 240TB 93.71 kg (208 lbs.) – fully configured with 60 air drive modules

Power and Cooling: Operating

Two 1,650W PSUs, hot swap and redundant
200-240VAC auto-ranging, 47Hz-63Hz input (high line power only)
N+1 redundant fans (fans integrated in PSU)

Environmental	OPERATING	NON-OPERATING
Temperature range	5° to 40°C (helium drives), 5° to 35°C (air drives)	-30° to 60°C
Humidity	8% to 80% (non-condensing)	8% to 80% (non-condensing)
Shock	3.5g 6ms Pulse vertical shock	8g 6ms Trapezoidal
Vibration	Random 0.25 Grms, 5-10Hz 0.05 g sine wave sweep, 10-300Hz	Random 0.6 Grms 10-300Hz
Acoustics	<7.5dB LwA @ 23°C	

¹ One MB is equal to one million bytes, one GB is equal to one billion bytes and one TB equals 1,000GB (one trillion bytes) when referring to storage capacity. Accessible capacity will vary from the stated capacity due to formatting and partitioning of the hard drives, the operating system and other factors.

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