



Broadberry

CyberStore 4U60 JBOD[®]

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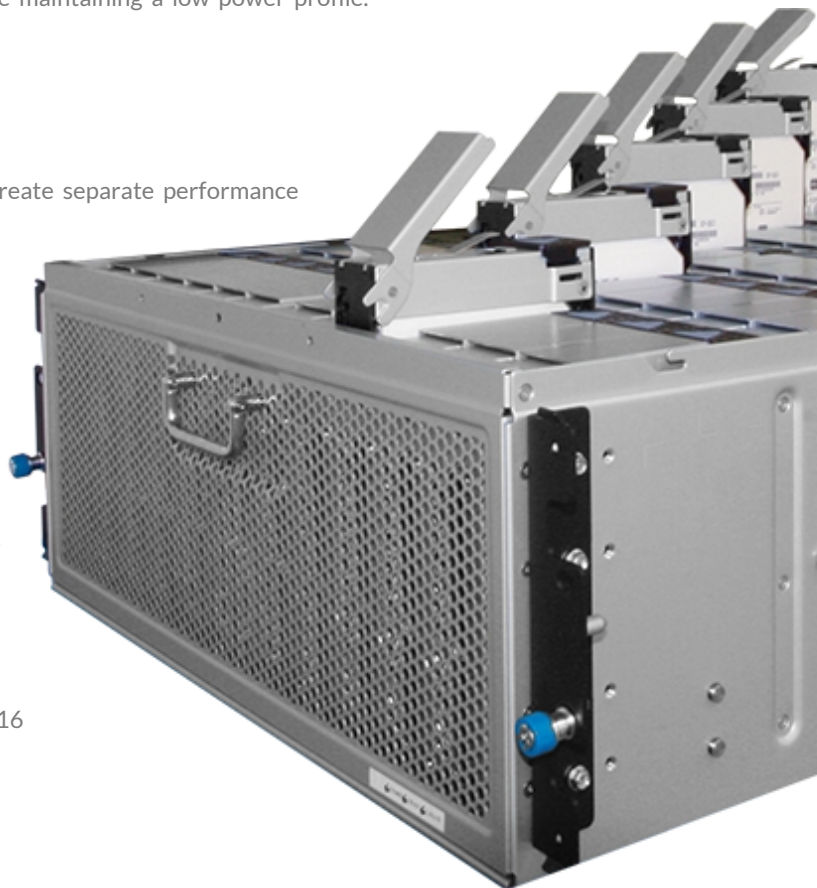
CyberStore 4U60 12GB/SAS JBOD with Dual Controller

The Broadberry 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 12 Gb/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.

Features

- Up to 60 integrated Ultrastar® drive modules
 - Available with 512e or 4Kn sector size (by part number)
 - Available option to configure up to 8 Ultrastar SSDs to create separate performance tiers within the enclosure
 - Available with SAS drives for HA application or with SATA drives for cost optimised applications
- Host connectivity 2x 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 12 Gbps
- Optional cable management 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



Powering these organisations



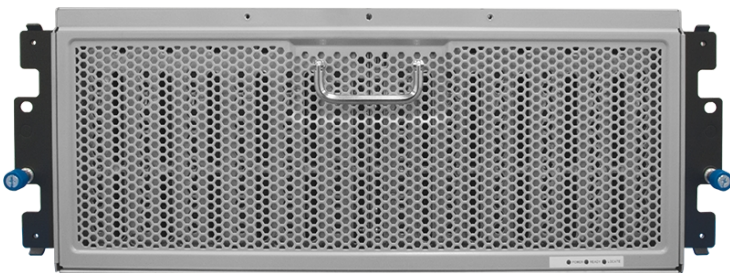
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Capacity / Physical Size	
Capacity	720TB with 12TB drive modules
Height	174.8 mm (6.88 in.) – 4 Rack Units
Width	424 mm (16.69 in.)
Depth	983 mm (38.7 in.) – including cable management
Weight	89.81 kg (198 lbs.) – fully configured with 60 helium drive modules 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-63 Hz input (high line power only)	
N+1 redundant fans (fans integrated in PSU)	

Capacity / Physical Size		
Temperature Range	5° to 40°C (helium drives), 5° to 35°C (air drives)	-3 0° to 60°C
Humidity	8% to 80% (non-condensing)	8% to 80% (non-condensing)
Shock	3.5g 6m s Pulse vertical shock	8g 6m s Trapezoidal
Vibration	Random 0.2 5 G r m s, 5-10Hz 0.05 g sine wave sweep, 10-300Hz	Random 0.6 G r m s 10-3 00Hz
Acoustics	<7.5dB Lw A @ 2 3 °C	<7.5dB Lw A @ 2 3 °C

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.



Learn More, or Configure Online:
broadberry.co.uk/storage-servers

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