



HPE D8000 DISK ENCLOSURES

Disk Enclosures



WHAT'S NEW

- Introducing the new 14 TB SAS 10-pack hard drive bundle
- Adding support for 14 TB SAS and SATA large form factor drives
- Adding support for daisy-chaining

OVERVIEW

Need a cost-effective high-capacity direct attach storage (DAS) option?

The HPE D8000 Disk Enclosures with 12 Gb/s SAS architecture extends and redefines DAS for HPE ProLiant servers. The HPE D8000 Disk Enclosures, designed for data-intensive environments, is a storage enclosure for dense, cost-effective external storage expansion for massive data capacity applications. The HPE D8000 Disk Enclosures can be used not only as a standalone DAS enclosure but can also be used for expansion in storage applications like Cloud backup, data protection or big data environments (structured and

unstructured). HPE D8000 Disk Enclosures support low profile drive carriers. Two enclosures can be daisy-chained together to provide support for up to 211 drives.

FEATURES

High-density, Low-cost External SAS Storage for HPE ProLiant Servers

The HPE D8000 Disk Enclosures with dual I/O modules provides a 12 Gb/s SAS unit that is designed to support 106 Large Form Factor (LFF) SAS and SATA HDDs or SSDs in just 4U of rack space for customers needing a dense storage option with a low acquisition cost.

The simplicity of an in-rack storage solution reduces your expense and complexity from the storage architecture. A Smart Array P408e-p or E208e-p Gen10 controller can connect up to two D8000 enclosures.

Ability to daisy-chain two D8000 enclosures increases the capacity up to 2,954 TB with 211 drives of 14 TB each.

High-Performance 12 Gb/s SAS Connectivity to External Storage

The HPE D8000 Disk Enclosures with dual I/O modules delivers 12 Gb/s host connectivity enabling higher performance, eases configuration/deployment and broadens supported features of a D8000 Disk Enclosure using HPE Smart Array P408e-p and E208e-p Gen10 controllers.

With the HPE D8000 Disk Enclosures, applications and storage are installed in the same rack. Latency is reduced as data does not travel over large distances.

Solid State Drive support with integrated “wear gauge” helps improve application performance and allows customers to reduce their operating costs by reducing foot prints and power consumptions.



Technical specifications**HPE D8000 Disk Enclosures**

Capacity	2,954 TB maximum supported with two enclosures daisy-chained
Drive description	Up to 211 LFF SAS (or) SATA HDDs and SSDs are supported with daisy chaining
Host interface	12 Gb/sec SAS
Storage controller	Smart Array P408e-p SR Gen10 or Smart Array E208e-p SR Gen10
Storage expansion options	HPE D8000 supports daisy-chaining of two enclosures
SAN backup support	No
Storage mirroring support	No
Systems Insight Manager support	Yes
Compatible operating systems	Microsoft Windows Server 2003 Microsoft Windows Server 2008 R2 Red Hat Enterprise Linux (RHEL) SUSE Linux Enterprise Server (SLES) VMware ESX Microsoft Windows Server 2012 Depending on host connectivity
Form factor	4U
Product Dimensions (metric)	176.4 x 441 x 1139 mm
Weight	Storage Enclosure (Empty) - 43.10 kg Maximum Weight (populated with 106 drives) - 127 kg
Warranty	3-0-0, Three-year parts exchange, next business day delivery.



For additional technical information, available models and options, please reference [the QuickSpecs](#)

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Defective Media Retention is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

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Parts and Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

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