

HP D3000 Disk Enclosures



Manage your growing storage needs by deploying the next generation 12 Gb SAS low-cost, high-capacity external storage enclosures with up to 768 TB LFF SAS or SATA or 400 TB SFF SAS.

Has your business exceeded your storage capacity?

Manage your small and midrange business' growing storage needs by deploying the HP D3000 Disk Enclosures, the next generation 12 Gb SAS low-cost, high-capacity, tiered external storage system. The HP D3000 Disk Enclosures are ideal for your small application environments, remote offices, and departmental locations. The new 12 Gb SAS enclosures—large form factor (LFF) D3600 Disk Enclosure with 12 drive bays and small form factor (SFF) D3700 Disk Enclosure with 25 drive bays—offer flexible, modular solutions to simplify capacity expansion of HP ProLiant and BladeSystem server environments to external storage without having to make the full move to SAN or NAS. This allows you to buy what is needed today and purchase additional capacity as your data storage needs grow.

HP Disk Enclosure D3000 supports HP SmartDrive carriers. Buy and maintain common set of HP ProLiant drives for Gen8 ProLiant servers. Total support can grow up to 96 LFF or 200 SFF drives.

Key features and benefits

Affordable storage for capacity demands

- HP D3000 Enclosures 12 Gb SAS enables a higher/faster data transfer rate: doubling the current transfer rate of 6 Gb solutions, adding crucial bandwidth.
- The modular platform provides investment protection by allowing you to purchase based on your current need and plan for the future without hidden management charges.
- Increase your data speed with enterprise-class dual-port SAS drives as the need and budget dictates.
- Provides a higher level of redundancy and reliability, thereby reducing single points of failure within the storage network.

Flexible and scalable with room to grow

- The HP D3000 Enclosures give you the flexibility to mix and match SAS, SATA, and Solid State drives (SSDs) in the same enclosure, and extend the benefit of tiered storage to direct attach customers.
- Designed to give you room to grow as your storage demands increase, the D3600 LFF can grow up to 96 drives. You can also add up to eight D3600 LFF enclosures that can be connected together from a single controller port.
- With the D3700 SFF you can add up to 200 drives or up to eight SFF enclosures can be connected together from a single controller port.
- With a Gen8 Smart Array Controller you can mix D3600 and the D3700 enclosures for expansion, up to four D3600 and four D3700 (4 x LFF and 4 x SFF) allowing for expansion up to 148 drives.
- On the D3700 you can get SSD support for up to 25 drives per Smart Array Controller.

Easy to manage

- The HP D3000 Enclosures support the HP SmartDrive carrier, enabling single set of common drives for Gen8 ProLiant servers and D3000 Enclosures.
- The HP D3000 Enclosures uses familiar HP ProLiant management tools including HP Systems Insight Manager and the HP Array Configuration Utility (ACU) software.
- The HP D3000 Enclosures are compatible with selected HP Smart Array SAS Controllers and host bus adapters (HBAs).
- Little IT expertise required to manage the enclosures.

Technical specifications



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Drive description	96 LFF SAS/SATA or 200 SFF SAS/SATA/SSD Maximum, depending on model
Drive type (HP SmartDrives)	<p>Large Form Factor LFF SAS (Converter Carriers) 300GB/450GB /600GB 12G 15K LFF DP SCC ENT SAS</p> <p>LFF SAS MDL (6G) 1TB/2TB/3TB/4TB/6TB 6G 7.2K LFF DP MDL SC SAS</p> <p>LFF SAS MDL (12G) 4TB/6TB/8TB 12G 7.2K LFF DP MDL 512e SC SAS</p> <p>Small Form Factor SFF 15K SAS (6G) 146GB/300GB 6G 15K SFF DP SC ENT SAS</p> <p>SFF 15K SAS (12G) 300GB/450GB/600GB 12G 15K SFF DP SC ENT SAS</p> <p>SFF 10K SAS (12G) 300GB/450GB/600GB/1.2TB/1.8TB (512e) 12G 10K SFF DP SC ENT SAS</p> <p>SFF SAS MDL (6G) 500GB/1TB 6G 7.2K SFF DP SC MDL SAS</p> <p>SFF SAS MDL (12G) 1TB/2TB 12G 7.2K SFF DP 512e SC MDL SAS</p> <p>SFF SAS SSD (12G) 200GB/400GB/800GB/1.6TB 12G SFF ME SAS Solid State Drive</p> <p>SFF SATA SSD (6G) 200GB/400GB/800GB/1.6TB 6G SFF ME SATA Solid State Drive</p> <p>SFF SATA SSD (6G) 140GB/240GB/480GB/960GB 6G SFF VE SATA Solid State Drive</p>

Technical specifications (continued)

Capacity	768 TB maximum Depending on drive capacity and form factor
Storage expansion options	D3600/D3700—support up to eight enclosures cascading off single x 4 SAS port
Host interface	12 Gb/s SAS
HP BladeSystem supported	Gen8 BladeSystem
Storage controllers	HP Smart Array P421 HP Smart Array P431 HP Smart Array P441 HP Smart Array P822 HP Smart Array P841 HP Smart Array P731m HP Smart Array P741m H222 Host Bus Adapter H241 Host Bus Adapter
SAN backup support	No
Storage mirroring support	No
Systems Insight Manager support	No
Compatible operating systems	Microsoft® Windows® 2003 Microsoft Windows 2008 Microsoft Windows 2012 R2 Microsoft Windows Hyper-V Red Hat® Linux® SUSE Linux VMware®
Form factor	2U
Warranty (parts/labor/onsite)	3/0/0

Resources

QuickSpecs

HP Factory Express provides customization and deployment services along with your storage and server purchases. You can customize hardware to your exact specifications in the factory—helping speed deployment. hp.com/go/factoryexpress

Gain the skills you need with ExpertOne training and certification from HP. With HP Converged Storage training, you will accelerate your technology transition, improve operational performance, and get the best return on your HP investment. Our training is available when and where you need it, through flexible delivery options and a global training capability. hp.com/learn/storage

Customize your IT lifecycle management, from acquisition of new IT, management of existing assets, and removal of unneeded equipment. hp.com/go/hpfinancialservices

HP Technology Services

Expert HP storage consultants and service professionals sit down with you and your team to map your storage needs. Not only can we help you accelerate implementation and reduce deployment risk, but we can also help you realize the full value of your storage purchases as you transform storage for the New Style of IT.

Advice, transform, and integrate

Navigate through the complexities of storage, backup, archive, disaster recovery, and Big Data with advisory, transformation, and integration consulting.

Deploy and implement

Access expertise to support deployment, operations, relocation, sanitization, and disposal, plus improvement-focused education.

Operate and support

Find the level of personalized, proactive, and simplified support right for your business.

Note

Specific service availability varies by product

HP Foundation Care

System-level IT hardware and software support delivers flexible coverage window and response time for more choice and simplicity.

HP Proactive Care

Combined reactive and proactive services provide easy-to-purchase, cost-efficient system-level support coupled with personalized expert advice and products connected to HP to help prevent problems and reduce downtime.

HP Proactive Care Advanced builds and incorporates on Proactive Care and also gives customers personalized technical and operational advice from an assigned, local Account Support Manager for personalized technical collaboration, flexible access to specialist skills to help optimize business critical IT, and enhanced Critical Incident Management to help so the business is not affected if there is a system or device outage.

HP Datacenter Care

Get the support you need to deploy, operate, and evolve your data center environment to be hybrid-cloud ready with single-point-of-accountability for HP and others' product.

Get connected and get back to business—HP Storage Technology Services provide the path to get your HP Storage solutions and your business connected to HP. Once connected, our experts are able to scan your system and run health checks, then use that data to create personalized reports and recommendations for actions to take to prevent problems and downtime.

For more information, visit hp.com/services/storage.

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