HP StorageWorks D2000 Disk Enclosures Family

Data sheet

Manage your small to midrange business's growing storage needs by deploying the next-generation 6 Gb SAS external storage enclosures with up to 192 TB SATA or 30 TB SAS.

Is your storage growing by leaps and bounds, exceeding your current system capacity?

Manage your small and midrange business's growing storage needs by deploying the HP StorageWorks D2000 Disk Enclosures, the next-generation 6 Gb SAS low-cost, flexible, tiered external storage system. HP D2000 Disk Enclosures are ideal for small application environments in small and medium businesses, remote offices, and departmental locations.

The new 6 Gb SAS enclosures—Large Form Factor (LFF) D2600 with 12 drive bays and Small Form Factor (SFF) D2700 with 25 drive bays—offer modular solutions to simplify the capacity expansion of HP ProLiant and Integrity server environments, and MSA Arrays (SFF only) 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. Total support can grow up to 96 LFF or 100 SFF drives as needed.
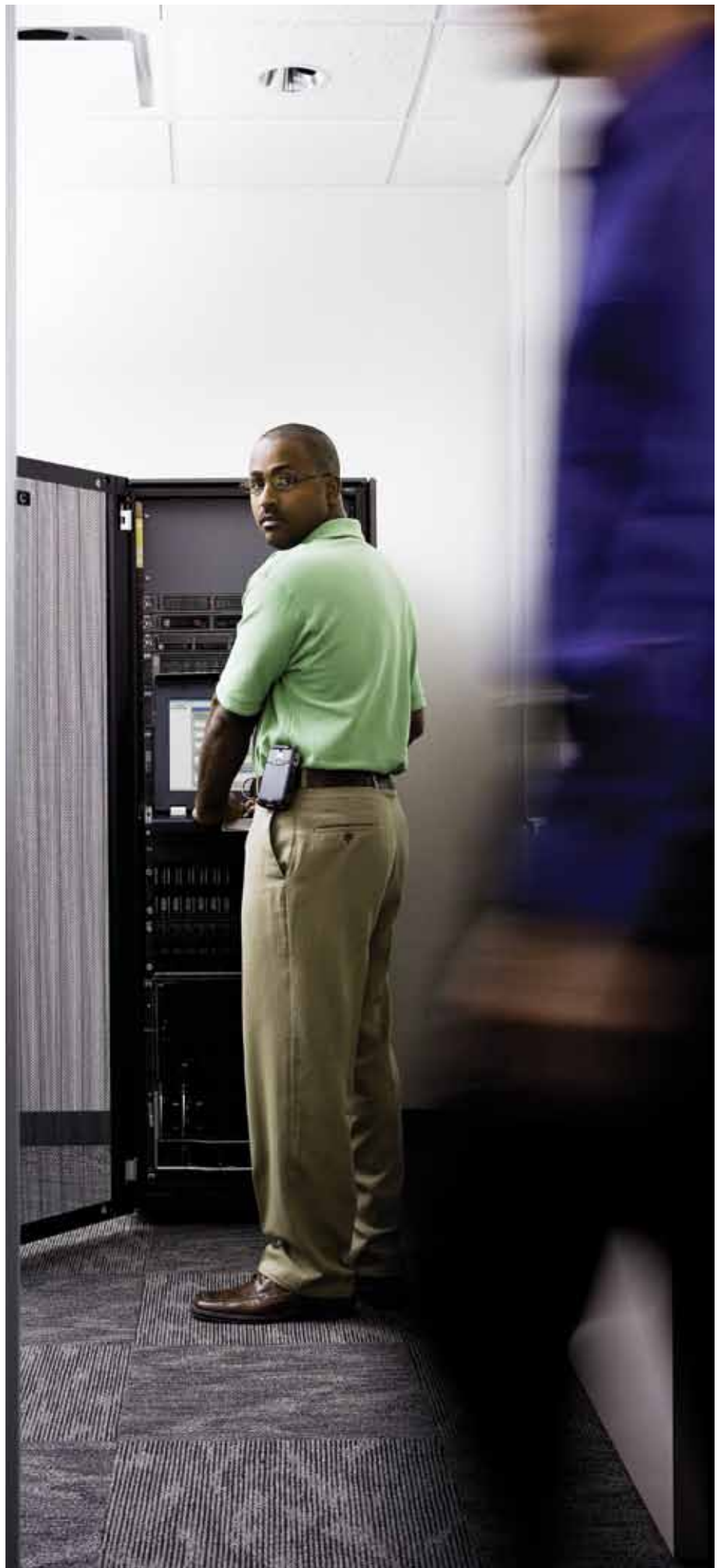
Key features and benefits

Affordable
• Add crucial bandwidth as HP StorageWorks D2000 Disk Enclosures double the transfer rate of current 3 Gb solutions

• No hidden management charges as the modular platform allows customers to purchase based on current need and future growth

• Support for enterprise-class dual-port SAS drives as the need and budget dictates

• Higher levels of redundancy and reliability— by eliminating single points of failure within a storage network

Flexible and scalable
• The D2600 provides flexibility to mix and match SAS and SATA drives in the same enclosure. Extends benefit of tiered storage to direct attach customers.

• The D2600 LFF can grow up to 96 drives. Up to four LFF enclosures can be connected together from a single controller port.

• The D2700 SFF can grow up to 100 drives. Up to two SFF enclosures can be connected together from a single controller port.

Easy to manage
• D2000 Disk Enclosures use familiar HP ProLiant management tools including HP Systems Insight Manager and the HP Array Configuration Utility (ACU) software

• D2000 Disk Enclosures are compatible with selected HP Smart Array SAS Controllers

• D2000 Disk Enclosures require little IT expertise

	D2600 Disk Enclosure	**D2700 Disk Enclosure**
Type of drives	300 GB 6G 15K LFF Dual port ENT SAS 450 GB 6G 15K LFF Dual port ENT SAS 600 GB 6G 15K LFF Dual port ENT SAS 1 TB 6G 7.2K LFF Dual port MDL SAS 2 TB 6G 7.2K LFF Dual port MDL SAS 500 GB 3G 7.2K LFF MDL SATA 1 TB 3G 7.2K LFF MDL SATA 2 TB 3G 7.2K LFF MDL SATA	146 GB 6G 10K SFF Dual port ENT SAS 300 GB 6G 10K SFF Dual port ENT SAS 72 GB 6G 15K SFF Dual port ENT SAS 146 GB 6G 15K SFF Dual port ENT SAS 500 GB 6G 7.2K SFF Dual port MDL SAS 500 GB 3G 7.2K SFF MDL SATA
Capacity	24 TB Maximum Dependent on the drive type	12.5 TB Maximum Dependent on the drive type
Storage expansion options	1+3 cascading off a single x4 SAS port	1+1 cascading off a single x4 SAS port
Host interface	6 Gb SAS	6 Gb SAS
Storage controllers	Smart Array P212/256 MB Smart Array P411/256 MB Smart Array P411/512 MB Smart Array P411/1 GB FBWC Smart Array P812 **Supported**	Smart Array P212/256 MB Smart Array P411/256 MB Smart Array P411/512 MB Smart Array P411/1 GB FBWC Smart Array P812 P2000 G3 FC Modular Smart Array Controller P2000 G3 FC/iSCSI Combo Modular Smart Array Controller P2000 G3 SAS MSA Array System Controller **Supported**
Systems Insight Manager support	Yes	Yes
Supported operating systems	Microsoft® Windows 2003 Microsoft® Windows 2008 Novell NetWare Red Hat Linux SUSE Linux VMware Microsoft Windows Hyper-V HP-UX **Supported depending on the Controller**	Microsoft® Windows 2003 Microsoft® Windows 2008 Novell NetWare Red Hat Linux Xen SUSE Linux VMware Microsoft Windows Hyper-V HP-UX **Supported depending on the Controller**
Form factor	2U	2U
Warranty	3-years parts, 0-years labor, 0-years onsite support	3-years parts, 0-years labor, 0-years onsite support
QuickSpec URL	http://h18000.www1.hp.com/products/quickspecs/13404_div/13404_div.pdf	

Service and support

HP Factory Express

HP Factory Express is designed to help you get a better return from your IT investment by providing customization, integration, and deployment services along with your storage and server purchases. It provides predictable, trusted, and tested IT solutions tailored to your business needs. We allow you to customize hardware to your exact specifications in the factory—helping to speed up deployment and free up internal resources. **www.hp.com/go/factoryexpress**

Customer Technical Training

Consider education as an integral part of your strategy to get the best return on investment for your HP storage solution. HP offers a variety of training courses on storage software, networking, archiving, and disk storage systems. Our classes are available in many delivery modalities from traditional instructor-led courses at one of our 80 training centers worldwide to onsite training customized to your needs or online. **www.hp.com/learn/storage**

HP Financial Services

HP Financial Services provides innovative financing and financial asset management programs to help customers cost-effectively acquire, manage, and ultimately retire their HP solutions. For more information on these services, please contact your HP representative or visit: **www.hp.com/go/hpfinancialservices**

HP Services

HP Technology Services—consultants and support experts to solve your most complex infrastructure problems. We help keep your business running, no matter what. Boost availability and avoid downtime, trust our expertise to optimize your HP solution.

Recommended Services

3-Year HP Support Plus 24 Service: For a higher return on your storage technology, this 3-year combined reactive support option delivers integrated onsite hardware/software support services available 24x7.

HP Installation Service: Provides for the basic installation of your all-in-one storage system, including installation of hardware and software.

HP Proactive Select Service: To improve IT performance and manageability through the use of cost effective flexible proactive services.

Related Services

3-Year HP Support Plus 24: HP Support Plus 24 provides integrated hardware and software support services designed specifically for your technology. Available 24x7, this 3-year combined reactive support option delivers onsite hardware support and over-the-phone software support around-the-clock.

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