

Family data sheet

# HP StoreEasy Storage



Efficient, secure, highly available file and application storage



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Whether you are a small, medium, or large business—and whether you operate from a branch or a remote office—storage worries should be the last thing on your mind. As you work with a large number of users, you need to accommodate their demands to store and access growing volumes of files such as business documents, images, audio files, and videos. You need efficient file storage that is secure, yet easy to manage.

HP is here to help. With the HP StoreEasy Storage family—a new breed of efficient, secure, and highly available storage systems—you stand to gain a lot.

The HP StoreEasy Storage family comprises:

- HP StoreEasy 1000 Storage, designed for small businesses, branch offices, and workgroup environments
- HP StoreEasy 3000 Gateway Storage and HP StoreEasy 3000 Gateway Storage Blade, designed for medium to large businesses and branch office SAN environments
- HP StoreEasy 5000 Storage, designed for medium to large businesses that require 24x7 storage

The HP StoreEasy Storage family caters to your unique storage needs. They integrate easily into new and existing environments—including SAN environments—offering your storage administrators and IT generalists a straightforward, consistent management experience.

With built-in security, your data remains well protected and available to your users when and where they want to access it. It also enables you to install and run endpoint protection such as an antivirus on the system itself, reducing the cost and complexity of connecting an external endpoint protection server. With features including constant health monitoring, mirrored OS disks, advanced memory protection, reliable software support, and more, you can provide users with a highly available solution that keeps their data ready and highly available. Not to mention the support and expertise our highly skilled HP certified professionals can offer.

## Key features and benefits

### Enhanced business environment and resources at lesser costs

- Support a large numbers of users concurrently accessing their files, with the high performance file storage controllers and a range of drive media available
- Increase capacity by up to 50–60 percent with non-intrusive granular data deduplication<sup>1</sup>
- Use advanced data management to automatically improve use of resources, comply with data retention policies, and enhance protection of sensitive files
- Consolidate multiple workloads and IT services in a single platform with included support for a broad range of file access protocols, Microsoft® Hyper-V and SQL Server application storage, iSCSI block access, and IT infrastructure services such as print, Domain Name System (DNS), and DHCP
- Reduce your branch office WAN usage with Hosted BranchCache, automatically caching frequently accessed corporate data center files

### Built-in security, with onboard data protection

- Install and run endpoint protection—such as an antivirus—on the system itself, reducing the cost and complexity of connecting to an external endpoint protection server
- Prevent loss of user data with Volume Shadow Copy Service (VSS), providing online snapshots and support for agent-based backup software
- Opt to utilize the power of HP Autonomy LiveVault for a highly secure and efficient policy-driven offsite backup to the cloud
- More securely transfer user data with SMB 3.0 encryption and signing, with file system encryption and BitLocker Drive Encryption (which requires an optional Trusted Platform Module)

### Highly available, reliable, and robust platform

- Increase system uptime with features such as health monitoring, storage controller clustering, mirrored OS disks, redundant fans and power, advanced memory protection, a three-year onsite parts and labor system warranty, and one-year telephonic software support
- Simplify your storage provisioning tasks with improved file system self-healing and online analysis
- Achieve improved corruption correction with significantly reduced downtime
- Utilize the power of HP ProLiant Gen8 servers and Windows® Storage Server 2012 for reliability and ease of use

<sup>1</sup> “Plan to Deploy Data Deduplication,” Microsoft, August 2012.

## HP StoreEasy 1000 Storage series

The HP StoreEasy 1000 Storage models are delivered as turnkey appliances, which vastly simplifies the deployment tasks normally associated with file storage. StoreEasy 1000 Storage models are based completely on industry-standard world-class components. These models offer the flexibility of heterogeneous support for additional protocols like SMB 3.0, NFS v4.1, HTTP, FTP, and WebDAV. Additionally, features like HP Integrated Lights-Out (iLO) remote management and HP System Insight Manager (SIM) integration make StoreEasy 1000 Storage models stand out against other file storage products.

### Technical specifications

|                                     |  |
|-------------------------------------|--|
| <b>Drive description and type</b>   | SFF/LFF SAS/SATA, depending on model   |
| <b>Maximum capacity</b>             | 42 TB raw internal SAS/SATA, depending on model  |
| <b>Storage expansion options</b>    | Attach to StoreEasy 12 LFF Enclosure, StoreEasy 25 SFF Enclosure, D2600, D2700   |
| <b>Compatible operating systems</b> | Microsoft Windows, Linux, UNIX®, VMware, Client OS   |
| <b>Availability</b>                 | Hardware RAID, redundant power and cooling   |
| <b>Management</b>                   | StoreEasy Manager, iLO 4   |
| <b>Number of users</b>              | 10–5,000, depending on model   |
| <b>Warranty</b>                     | 3-year parts exchange, 3-year labor, and 3-year onsite   |
| <b>QuickSpecs URL</b>               | <a href="http://hp.com/products/quickspecs/14434_div/14434_div.pdf">hp.com/products/quickspecs/14434_div/14434_div.pdf</a> |

## HP StoreEasy 3000 Gateway Storage series

The HP StoreEasy 3000 Gateway Storage models are delivered as a completed hardware and software package. Once you've picked the model you want to connect to your array or SAN, the choice of the HBA is yours.

### Technical specifications

|                                     |  |
|-------------------------------------|--|
| <b>Drive description and type</b>   | (2) SFF SAS;<br>Per node, included, for OS mirror only   |
| <b>Maximum capacity</b>             | 900 GB raw internal SAS, depending on model  |
| <b>Storage expansion options</b>    | Attach to HP 3PAR StoreServ, StoreVirtual, MSA, EVA, and XP Storage  |
| <b>Compatible operating systems</b> | Microsoft Windows, Linux, UNIX, VMware, Client OS  |
| <b>Availability</b>                 | RAID protected drives for mirrored OS, redundant power and cooling   |
| <b>Management</b>                   | StoreEasy Manager and SMI-S provider storage management, iLO 4   |
| <b>Number of users</b>              | 100–25,000, depending on total number of StoreEasy 3000s   |
| <b>Warranty</b>                     | 3-year parts exchange, 3-year labor, and 3-year onsite   |
| <b>QuickSpecs URL</b>               | <a href="http://hp.com/products/quickspecs/14435_div/14435_div.pdf">hp.com/products/quickspecs/14435_div/14435_div.pdf</a> |

## HP StoreEasy 3000 Gateway Storage Blade series

The new HP StoreEasy 3000 Gateway Storage Blade series is a ready-to-deploy file gateway solution for both enterprise and workgroup SAN environments. It can centralize file serving for HP BladeSystem c-Class servers and grant them IP-based access to a SAN or array that is external to an HP BladeSystem enclosure.

### Technical specifications

|                                     |   |
|-------------------------------------|---|
| <b>Drive description and type</b>   | (2) SFF SAS included, mirrored OS image pre-installed   |
| <b>Capacity</b>                     | 0 GB raw internal SAS; 0 GB useable; internal drive capacity for OS mirror only; designed to utilize external array/SAN storage |
| <b>Storage expansion options</b>    | Attach to HP 3PAR StoreServ, StoreVirtual, MSA, EVA, and XP Storage   |
| <b>Blade system supported</b>       | HP BladeSystem c3000 and c7000 enclosures   |
| <b>Maximum blades per enclosure</b> | 16; up to 16 StoreEasy 3830sb per c7000 enclosure and up to 8 StoreEasy 3830sb per c3000 enclosure                              |
| <b>Compatible operating systems</b> | Microsoft Windows, Linux, UNIX, VMware, Client OS   |
| <b>Management</b>                   | StoreEasy Manager and SMI-S provider storage management, iLO 4  |
| <b>Number of users</b>              | 400–25,000, depending on total number of StoreEasy 3000s  |
| <b>Form factor</b>                  | Half-height HP BladeSystem c-Class servers  |
| <b>Warranty</b>                     | 3-year parts exchange, 3-year labor, and 3-year onsite  |
| <b>QuickSpecs URL</b>               | <a href="http://hp.com/products/quickspecs/14457_div/14457_div.pdf">hp.com/products/quickspecs/14457_div/14457_div.pdf</a>      |

## HP StoreEasy 5000 Storage series

The HP StoreEasy 5000 Storage models are delivered as turnkey appliances, greatly reducing the amount of time and effort required to perform many ongoing management tasks. A high-availability file storage solution, StoreEasy 5000 Storage models feature two clustered storage controllers connected to a shared SAS storage pool that is RAID protected. Its built-in redundant power and cooling makes a very robust storage platform for the most demanding environments. Designed for self-installation, installation of the StoreEasy 5000 Storage—using the StoreEasy system startup tools—takes less than an hour.

### Technical specifications

|                                     |  |
|-------------------------------------|--|
| <b>Drive description and type</b>   | (16) LFF SAS and (4) SFF SAS or (36) SFF SAS and (4) SFF SAS maximum, depending on model; (2) SFF SAS per server blade included, for O/S mirror only |
| <b>Capacity</b>                     | 402 TB raw; total of both internal and external storage capacity   |
| <b>Storage expansion options</b>    | StoreEasy 12 LFF Enclosure, StoreEasy 25 SFF Enclosure, D2600, D2700   |
| <b>Compatible operating systems</b> | Microsoft Windows, Linux, UNIX, VMware, Client OS  |
| <b>Availability</b>                 | Two clustered storage controllers, hot-plug drives, RAID protection for drives, redundant power supplies, and redundant fans                         |
| <b>Management</b>                   | High availability; converged (file and block); tight Windows integration; data deduplication; BranchCache; advanced data management snapshots        |
| <b>Number of users</b>              | 100–26,000, depending on the number of internal and external data drives, drive type, RAID settings, and LUN configuration                           |
| <b>Warranty</b>                     | 3-year parts exchange, 3-year labor, and 3-year onsite   |
| <b>QuickSpecs URL</b>               | <a href="http://hp.com/products/quickspecs/14436_div/14436_div.pdf">hp.com/products/quickspecs/14436_div/14436_div.pdf</a>                           |

## The total package

| Software                          |  |          |
|-----------------------------------|--|----------|
| <b>HP Data Protector Software</b> | HP Data Protector provides on-premise backup and recovery for a host of operating systems and critical applications. Data Protector reduces complexity and cost of backup and recovery by protecting virtual and physical applications—whether you work with one or a thousand servers. This software can also be used to protect the various application uses of the HP StoreEasy appliance, providing enterprise-level on-premise data protection. For more information, visit <a href="http://hp.com/go/dataprotector">hp.com/go/dataprotector</a> .  | Optional |
| <b>HP Autonomy LiveVault</b>      | HP Autonomy LiveVault enables organizations to protect their critical application data and manage their long-term retention needs in the cloud. The LiveVault agent that is installed on HP StoreEasy Storage encrypts all data before transferring it. All data remains encrypted at highly secure, offsite, underground data centers of Autonomy—as well as on the optional TurboRestore appliance which resides in the customer data center. To enhance the physical security and availability of stored data, the LiveVault service mirrors all data to one of the many geographically-dispersed data centers for full failover and redundancy. Visit <a href="http://autonomy.com/StoreEasy">autonomy.com/StoreEasy</a> . | Optional |

## HP Services

Tap into the HP support services advantage, to make the most of your investments. Depending on your individual support requirements, choose from three levels of support that cover your storage lifecycle.

**Optimized Care:** Delivers better performance and stability through deployment and proactive management practices

- Installation: HP Installation and Startup Service for HP StoreEasy Storage
- Support: Proactive Care 24x7, plus 20 credits per year
- Additional option: 3-year HP Storage Proactive Care Personalized Support, 3-year Personalized Support Additional Day, and 3-year HP Proactive Select 30 Credits Service

**Standard Care:** Maintains high level of uptime, along with expert help to cut the cost and complexity of implementation and support

- Installation: HP Installation and Startup Service for HP StoreEasy Storage
- Support: Proactive Care 24x7, plus 10 credits per year
- Additional option: 3-year HP Storage Proactive Care Personalized Support, 3-year Personalized Support Additional Day, and 3-year HP Proactive Select 30 Credits Service

**Basic Care:** Delivers the minimum recommended support

- Installation: HP Installation and Startup Service for HP StoreEasy Storage
- Support: HP Support Plus 24, plus 10 credits per year
- Additional option: 3-year HP Proactive Select 30 Credit Service, 1-year HP Proactive Select 10 Credit Service

If none of our support recommendations meet your needs, we can tailor a service solution for your unique support requirements. HP brings together deep expertise, proactive and business critical support, and a strong partner network—plus, a full set of infrastructure services designed to power a converged infrastructure.

For more information, visit [hp.com/services/storage](http://hp.com/services/storage).

## HP Factory Express

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. Visit [hp.com/go/factoryexpress](http://hp.com/go/factoryexpress).

## Customer technical training

We offer 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 online and onsite training. Visit [hp.com/learn/storage](http://hp.com/learn/storage).

## HP Financial Services

HP Financial Services provides innovative financing and financial asset management programs to help you acquire, manage, and ultimately retire your HP solutions. Visit [hp.com/go/hpfinancialservices](http://hp.com/go/hpfinancialservices).

### **Easily manage your evolving storage environment**

With HP StoreEasy Storage systems, you can easily handle growing data, reduce operational costs and risks, and protect data. To learn more about our offerings, visit [hp.com/go/StoreEasy](http://hp.com/go/StoreEasy).

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