HPE StoreEasy Storage

Focus on your business, not your file storage

Whether you are a small, medium, or large business with a branch or remote offices, storage worries should be the last thing on your mind. As you work with a varying range of connected users and devices, 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.

Hewlett Packard Enterprise is here to help. Whether your business is starting out, building momentum, or expanding, HPE StoreEasy—a powerful breed of optimized, efficient, secure, and highly available storage systems—will help propel your business further.

HPE StoreEasy Storage is trusted and chosen by so many organizations that it is the number 1 NAS product family under $15K USD.[1] With the 5th and latest generation of StoreEasy Storage family, you can get up to 211 percent more capacity, at 21 percent lower $/GB, 61 percent increase in supported users, 2X faster drive transfer speed,[2] and 25X faster RAID rebuilds.[3]

[1] IDC Worldwide Quarterly Disk Storage Tracker 2014Q4, product brand in units for price bands 1 to 3 combined for calendar year 2014

[2] HPE internal analysis—Internal capacity comparison between the previous generation 1640 vs. the new 1650

[3] Based on HPE internal testing

The HPE StoreEasy Storage family is comprised of:

- HPE StoreEasy 1000 Storage: designed for small businesses, branch offices, and workgroup environments.

- HPE StoreEasy 3000 Gateway Storage and HPE StoreEasy 3000 Gateway Blade: designed for medium to large businesses and branch office SAN environments.

The HPE StoreEasy Storage family caters to your organization's unique storage needs. They integrate easily into new and existing environments—including SAN environments—offering your storage administrators and IT generalists a straightforward and simplified management experience.

With built-in security features, 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 antivirus, on the system itself, eliminating the cost and complexity of connecting an external endpoint protection server. With features including near-continuous 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 readily accessible. StoreEasy customers are also backed by the support and expertise of our highly skilled HPE storage specialists.

Key features and benefits

Optimized: Tailored for file storage
- The HPE StoreEasy Storage comes with pre-configured hardware with the latest generation storage OS for purpose-built file storage. StoreEasy installation and network configuration wizards simplify installation and prevent configuration errors for faster deployment.

- HPE StoreEasy Dashboard consolidates all key status information. Easily monitor capacity utilization, performance, and health from a single user interface, designed to be straightforward and intuitive for IT generalists. The StoreEasy dashboard reduces the need to navigate multiple tools and interfaces for system management.

- The best practices driven storage provisioning tool discovers system storage and recommends the most efficient setup for optimum performance and capacity, or a balanced configuration based on the available storage.

- HDD bundles make it easier for you to buy, deploy, and provision additional storage capacity over the life of the product.

Efficient: Saves you money and time
- Achieve an average of 50–60 percent space savings with granular data deduplication.[4]

- File sync and share enables mobile workers to access their files from anywhere with corporate data controls in place, including data encryption, data wipe, user lock screen password enforcement, file classification, and storage quotas.

- Use advanced data management to automatically improve resource usage, 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.

- Significantly reduce your branch office WAN usage with Hosted BranchCache, which automatically caches frequently accessed corporate data center files for faster access to local users.

Secure: Protect your data always
- HPE StoreEasy Storage protects data while at rest with file system encryption and BitLocker Drive Encryption, and while it is being transferred with SMB encryption and signing. The lockable bezel protects your data's physical security through inhibiting drive access with keyed entry.

- Use File Classification Infrastructure to dynamically identify files based on sensitivity and implement sophisticated access controls using Active Directory Rights Management Services.

- Install and run endpoint protection, such as antivirus, on the system itself—reducing the cost and complexity of connecting to an external endpoint protection server. Prevent against data loss with Volume Shadow Copy Service online snapshots and support for agent-based backup software.

- Opt to further protect your data with optional licenses to LiveVault from j2 Global for easy data backup to the cloud with 7-year retention; software installation files included. Also, enable simplified and cost efficient compliant archiving with iTernity Compliant Archive Solution (iCAS), validated to meet the United States Securities and Exchange Commission (SEC) 17a-4(f) requirements.

Highly available: Prevent business and user disruption
- Increases uptime with standard features including near continuous health monitoring with HPE Active Health System, mirrored OS drives, redundant fans (not available on all models) and power, and advanced memory protection.

- Confidently deploy large file systems through leveraging file system online self-healing, online verification, and precise and rapid repair that massively reduces downtime from file corruption.

- Opt to take advantage of Vision Solutions Double-Take Availability software for critical data protection with real-time byte-level replication. In the event of a failure, recover the data—with minimal loss—from the replicated data repository. Software installation files included with a free 14-day evaluation license.

- Get support from file storage experts with three-year parts and three or one year onsite labor warranty, depending on the StoreEasy system, with one year of 24x7 software telephone support from HPE storage specialists.

HPE StoreEasy 1000 Storage series

HPE 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 built with industry-standard world-class components and offer the flexibility of heterogeneous support for additional file protocols-including SMB 3.02, NFSv4.1, HTTP, FTP, and WebDAV. Additionally, features like HPE Integrated Lights-Out (iLO) remote management and HPE System Insight Manager (SIM) make StoreEasy 1000 Storage models stand out against other file storage products.

Technical specifications

	HPE StoreEasy 1450 Storage	HPE StoreEasy 1550 Storage	HPE StoreEasy 1650 Storage	HPE StoreEasy 1650 Expanded Storage	HPE StoreEasy 1850 Storage
Differentiator	Affordable getting started rack mount file storage to consolidate users' documents, images, audio, and videos.	Affordable getting started tower file storage to consolidate your users' documents, images, audio, and videos.	Affordable capacity optimized file storage for growing number of users, all their files, and application workloads too.	Affordable capacity optimized bulk storage for users' files and secondary data	Affordable performance optimized file storage for growing number of users, all their files, and application workloads too.
Form factor	1U rack mount	4.5U tower	2U rack mount	2U rack mount	2U rack mount
Number of users	Up to 2000	Up to 1850	Up to 5500	Up to 7000	Up to 7900
Network controller	(1) HPE 1GbE 2-port 361i standard; options for 10GbE	(1) Broadcom 5717 1GbE 2-port standard; options for 10GbE	(1) HPE 1GbE 4-port 331i standard; options for 10GbE	(1) HPE 1GbE 2-port 361i standard; options for 10GbE	(1) HPE 1GbE 4-port 331i standard; options for 10GbE
Storage controller	(1) HPE Smart Array P440/4 GB FBWC	(1) HPE Smart Array P440/4 GB FBWC	(1) HPE Smart Array P440ar/2 GB FBWC	(1) HPE Smart Array P840ar/2GB FBWC	(1) HPE Smart Array P440ar/2 GB FBWC
Drive type	LFF Enterprise SAS, Mid-line SAS and SATA HDDs; LFF Enterprise Value, Mainstream, Light and Boot SSDs	LFF Enterprise SAS, Mid-line SAS and SATA HDDs; LFF Enterprise Value, Mainstream, Light and Boot SSDs	LFF Enterprise SAS, Mid-line SAS and SATA HDDs; LFF Enterprise Value, Mainstream, Light and Boot SSDs	LFF Mid-line SAS and SATA HDDs	SFF Enterprise SAS, Mid-line SAS and SATA HDDs; SFF Enterprise Performance Value, Mainstream, Light and Boot SSDs
Storage capacity	32 TB maximum internal; additional external capacity supported with D3000 and D6000 Disk Enclosures	48 TB maximum internal	96 TB maximum internal; additional external capacity supported with D3000 and D6000 Disk Enclosures	224 TB maximum internal; additional external capacity supported with D3000 and D6000 Disk Enclosures	43.2 TB maximum internal; additional external capacity supported with D3000 and D6000 Disk Enclosures
Protocols	SMB (CIFS), NFS, FTP and FTPS, HTTP and HTTPS, WebDAV, iSCSI				
Data services	File Sync and Share, Sub File Deduplication, Snapshots, Replication, File Classification, File Screening, Quotas, Reporting				
Management	StoreEasy Dashboard and Server Manager, Integrated Lights-Out 4 (iLO 4) with Advanced License				
Warranty	3-year parts exchange, 1-year labor, 1-year onsite, and next business day response for hardware; 1-year 24x7 telephone support for software	3-year parts exchange, 1-year labor, 1-year onsite, and next business day response for hardware; 1-year 24x7 telephone support for software	3-year parts exchange, 3-year labor, 3-year onsite, and next business day response for hardware; 1-year 24x7 telephone support for software	3-year parts exchange, 3-year labor, 3-year onsite, and next business day response for hardware; 1-year 24x7 telephone support for software	3-year parts exchange, 3-year labor, 3-year onsite, and next business day response for hardware; 1-year 24x7 telephone support for software

HPE StoreEasy 3850 Gateways

The HPE StoreEasy Gateway Storage and Gateway Blade are ready-to-deploy file gateway solutions that grant IP-based access to both enterprise and workgroup SAN environments. Both products are delivered as a complete hardware and software package with your choice of either rack mount or HPE BladeSystem C-class design. A wide range of HBAs are available to choose from to connect to your array or SAN.

Technical specifications

	HPE StoreEasy 3850 Gateway	HPE StoreEasy 3850 Gateway Blade
Form factor	2U rack mount with 1 to 2 nodes	Half-height blade
Number of users	Up to 30,000 per node, depending on configuration	Up to 30,000, depending on configuration
Network controller	HPE 1GbE 2-port	HPE 10GbE or 20GbE 2-port FlexLOM
Protocols	SMB (CIFS), NFS, FTP and FTPS, HTTP and HTTPS, WebDAV, iSCSI	
Storage controller	HPE Dynamic Smart Array B140i per node	HPE Dynamic Smart Array B140i
Drive type	Enterprise SAS HDDs for internal OS drives only	
Capacity	0 GB useable; internal drive capacity for OS mirror only	
Storage expansion options	Attach to HPE 3PAR StoreServ, StoreVirtual, MSA, and XP Storage for user storage	
Management	StoreEasy Dashboard, Server Manager and SMI-S provider storage management, iLO 4 Advanced	
Warranty	3-year parts exchange, 3-year labor, 3-year onsite, and next business day response for hardware; 1-year 24x7 telephone support for software	
QuickSpecs URL	**hp.com/h20195/v2/GetHTML.aspx?docname=c04111443** **hp.com/h20195/v2/GetDocument.aspx?docname=c04111443**	**hp.com/h20195/v2/GetHTML.aspx?docname=c04111443** **hp.com/h20195/v2/GetDocument.aspx?docname=c04237099**

The total package

Software

HPE Data Protector software	HPE 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 HPE StoreEasy appliance, providing enterprise-level on-premise data protection. For more information, visit **hp.com/go/dataprotector**	Optional
LiveVault	Backup HPE StoreEasy to the cloud with LiveVault from j2 Global. With 195 recovery points, achieve your RTO and RPO. And with 7-year legal life retention at only $1 per GB, you can grow your data, data not your costs. Try free for 30 days. For more information, visit **onlinebackup.com**	Optional
Double-Take Availability	Protect your critical HPE StoreEasy data with Double-Take Availability's real-time byte-level replication. In the event of a failure, recover the data—with a minimum of loss—from the replicated data repository. Get the details **www8.hp.com/h20195/V2/GetDocument.aspx?docname=4AA4-7439ENW**	Optional
iTernity Compliant Archive Solution (iCAS)	Get open, flexible, and expandable long-term archiving with iTernity Compliant Archive Solution (iCAS), now validated to meet SEC 17a-4 requirements. Together, HPE StoreEasy and iCAS are your key to legally compliant data archiving. Learn more **iternity.com/hp-icas_en.html**	Optional

HPE Technology Services

Expert HPE 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.

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

HPE 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 HPE to help prevent problems and reduce downtime.

HPE 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.

HPE 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 HPE and others' product.

Get connected and get back to business—HPE Storage Technology Services provide the path to get your HPE Storage solutions and your business connected to HPE. 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**.

HPE Factory Express

HPE 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**.

Customer technical training

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

Learn more at
hp.com/go/StoreEasy

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