Hewlett Packard Enterprise

Data sheet

HPE STOREEASY 1660 16TB SAS STORAGE WITH MICROSOFT WINDOWS SERVER IOT 2019 (R7G21A)

Flexible File and Application Storage

WHAT'S NEW

- All HPE StoreEasy 1000 Storage models are now available with the Microsoft Windows Server IoT 2019 for Storage Standard Edition operating system.
- Simplified storage provisioning and more intelligent consumption monitoring with version 1.3 of the HPE StoreEasy management console.
- The HPE StoreEasy 1660 expanded model now includes an Intel® Xeon® Scalable Silver 4208 processor with PC4-2933 memory.
- Select HPE StoreEasy 1000 Storage systems running Microsoft Windows Storage Server 2016 can now be upgraded

OVERVIEW

Every day, your organization faces challenges. Why should file storage be one of them?

HPE StoreEasy 1000 Storage with the HPE StoreEasy Management Console provides easy-to-manage centralized network attached storage for securely storing documents, images, audio, and video files. HPE StoreEasy 1000 Storage offers flexible, efficient, and reliable file storage, right-sized for your organization's needs and budget, without compromising on quality or capabilities. It is available in a diverse range of form factors, capacities, and performance options, and can help you get more out of your investment while you protect your indispensable digital assets in an evolving threat landscape. With that in mind, the HPE StoreEasy Management Console provides a simplified management experience developed by HPE that consolidates multiple interfaces, automates storage

to Windows Server IoT 2019 for Storage with an upgrade kit.

- Support for new 18 TB hard drives (on select models), for a maximum of 504 TB of raw internal capacity on the HPE StoreEasy 1660 expanded storage.

tasks, and centralizes monitoring. Now you can spend less time on your file storage and more time on your business.

FEATURES

Customized and Tailored for File Storage

HPE StoreEasy 1000 Storage is built on industry-leading HPE ProLiant Gen10 DNA and comes with pre-configured hardware and a Microsoft® Windows® Server for Storage operating system. Get your NAS out of the box and online fast with tools that simplify installation and curb common configuration errors.

The HPE StoreEasy Management Console makes file sharing twice as simple to manage [1], enabling administrators with any level of storage expertise to simplify core operations, including management of volumes, file shares, quotas, snapshots, network services, and external enclosures.

Leverage the HPE StoreEasy Management Console's data-driven insights on storage usage and performance to simplify planning. Quickly configure low-capacity email alerts to reduce disruption caused by capacity limitations, and easily identify maintenance windows to plan for capacity expansion.

Simplified provisioning through the HPE StoreEasy Management Console allows admins to quickly input desired usable capacity and provision based on best practices, while economical hard disk drive (HDD) bundles make it easier for you to buy and deploy additional capacity over time.

Efficiency Saves you Time and Money

Spend less time on storage by leveraging the HPE StoreEasy Management Console to manage and monitor your HPE StoreEasy appliance instead of numerous, disparate Windows utilities.

Save storage space with built-in granular file deduplication and compression - even for very large files and volumes. Define and apply quotas in StoreEasy Management Console to control consumption and alert admins to low capacity.

Built-in file sync and share enables employees, mobile workers and distributed teams to access their work files from any internet-connected desktop, smartphone, or tablet. Organizations can apply policies to wipe devices remotely and enforce lock screen passwords to protect data on employee devices.

Advanced data management capabilities automatically improve use of resources, comply with data retention policies, and enhance protection of sensitive files, even if they're downloaded from HPE StoreEasy and emailed to unauthorized recipients.

File Classification Infrastructure can dynamically identify files based on sensitivity and implement sophisticated access controls based on your organization's requirements using Active Directory Rights Management Services.

Multi-dimensional Protection for Your Data

Built from the world's most secure industry-standard servers [2] the sixth generation of HPE StoreEasy 1000 Storage provides expanded security capabilities to help you protect your employees, customers, and organization in an evolving threat landscape.

HPE StoreEasy 1000 Storage protects data at rest with file system encryption and Microsoft BitLocker® drive encryption, as well as data in flight through SMB encryption and signing, and at the physical level with a lockable bezel.

Install and run endpoint protection such as antivirus on the system itself, reducing the cost and complexity of connecting an external endpoint protection server. Prevent against data loss with Volume Shadow Copy Service online snapshots and simple cloud backup to Microsoft Azure.

Highly Resilient to Prevent Disruption to Your Business and Users

HPE StoreEasy 1000 Storage increases uptime with standard features including nearly continuous health monitoring with HPE Active Health System, redundant components, file system online self-healing, online verification, and rapid repair that reduces downtime from file corruption to minutes.

Protect up to 100TB of data from simple errors or massive failures using built-in Microsoft Distributed File System Replication (DFS-R).

Get comprehensive system support from HPE file storage experts with onsite parts and labor warranty for the system and telephone support for pre-installed software. Expand or enhance your base support coverage through optional services from HPE Pointnext for HPE StoreEasy 1000 Storage.

Use advanced diagnostics and near-continuous monitoring, enabled by the HPE Integrated Lights-Out (iLO) Management Engine, to deliver greater stability and shorter downtimes.

Technical specifications

HPE StoreEasy 1660 16TB SAS Storage with Microsoft Windows Server IoT 2019

Product Number (SKU)	R7G21A
Capacity	16 TB raw
Host interface	4 x 1GbE standard
Protocol supported	SMB, NFS, iSCSI over Ethernet, FTP/S, HTTP/S
Replication support	Microsoft Distributed File System Replication (DFS-R)--supports up to 100TB
Storage expansion options	All HPE StoreEasy models support external expansion using HPE MSA SAN Storage or D3X10, D6020, and D8000 Disk Enclosure product families. A Fibre Channel, SAS, or iSCSI connection must be added to support MSA SAN Storage (note that high-availability clustering is not supported) while a Smart Array controller with external ports must be added to support external Disk Enclosures.
Compatible operating systems	Microsoft® Windows® Server IoT 2019 for Storage Standard Edition is pre-installed. Client operating systems supported include Microsoft® Windows®, Mac OS, Linux®, and Unix.
Management features	HPE StoreEasy Management Console version 1.3; HPE iLO5; HPE Smart Storage Administrator; Windows Server® Manager and utilities
Drive description	8 x 2 TB SAS 12G Midline 7.2K LFF HDDs standard. 4 x LFF (3.5") hot-plug front drive bays open 4 x LFF hot-plug mid-chassis drive cage is optional.
Clustering support	Not supported on HPE StoreEasy 1000 Storage appliances
HD type	Hot-plug SATA or SAS, LFF (3.5")
Snapshot support	Microsoft Volume Shadow Copy Service (VSS)
Form factor (fully configured)	2U rack mount
Product Dimensions (metric)	8.73 x 44.54 x 73.02 cm (without bezel)
Weight	24.5 kg maximum (without rear drives)
Warranty	3/3/3 system warranty includes three years of parts, three years of labor, three years of onsite support coverage, next business day response. Software media is warranted to be free of physical defect for a period of 90 days from delivery. Additional information regarding worldwide limited warranty and technical support is available at: https://support.hpe.com/hpsc/wc/public/home

HPE POINTNEXT SERVICES

Most, if not all IT organizations are on a digital transformation journey — each at a different stage. With over 11,000 IT projects conducted and 1.4 million customer interactions each year, HPE Pointnext Services' 15,000+ experts and its vast ecosystem of solution partners and channel partners are uniquely able to help you at every stage of your digital transformation. We bring together technology and expertise to help you drive your business forward and prepare for whatever is next.

Advisory and Professional Services help you accelerate your digital transformation. Operational Services help you remove complexity and respond rapidly to business demands.

Operational Services from HPE Pointnext Services

HPE Pointnext Tech Care provides fast access to product-specific experts, an AI-driven digital experience, and general technical guidance to help enable constant innovation. We have reimagined IT support from the ground up to deliver faster answers and greater value. By continuously searching for better ways to do things—as opposed to just fixing things that break—HPE Pointnext Tech Care helps you focus on achieving your business goals.

- **HPE Datacenter Care** helps modernize and simplify IT operations. Partner with an assigned account team, access technical expertise, an enhanced call experience gives you priority access, choose hardware and software support, implement proactive monitoring to help stay ahead of issues, and access HPE IT best practices and IP.
- **HPE Proactive Care** offers an enhanced call experience and helps reduce problems with personalized proactive reports and advice. This also includes collaborative software support for Independent Software Vendors (ISVs), (Red Hat, VMWare, Microsoft, etc.). Read more
- **HPE Foundation Care** helps when there is a problem and has a choice of response levels. Collaborative software support is included and provides troubleshooting help for ISVs running on your server. Read more.

Other related services

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

HPE Service Credits offers a menu of technical services, access additional resources, and specialist skills.

HPE Education Services delivers a comprehensive range of services to support your people as they expand their skills required for a digital transformation.

Consult your HPE Sales Representative or Authorized Channel Partner of choice for any additional questions and support options.

For additional technical information, available models and options, please reference the QuickSpecs

HPE GREENLAKE

HPE Greenlake is HPE's market-leading IT as-a-Service offering that brings the cloud experience to apps and data everywhere – data centers, multi-clouds, and edges – with one unified operating model. HPE GreenLake delivers public cloud services and infrastructure for workloads on premises, fully managed in a pay per use model.

If you are looking for more services, like **IT financing solutions**, please explore them here.

[1] Based on HPE internal testing with 50% fewer tools and fewer actions for key NAS administrative tasks

[2] Based on results of external, third-party penetration testing of servers from different manufacturers

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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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