Hewlett Packard Enterprise

Data sheet

HPE PRIMERA 600 STORAGE

Disk Storage Systems

WHAT'S NEW

- Integrated with HPE Synergy and HPE Composable Rack, HPE Primera delivers a dynamic, fluid set of resources that you can automate and dynamically allocate in real-time, using a common API.
- Workloads like video surveillance drive the need for scalable, and dense data storage platforms. With the introduction of 8 TB LFF

OVERVIEW

Are you bringing new mission-critical applications to market while supporting existing ones in order to accelerate speed of business, agility and innovation?

Is your traditional high-end storage holding you back because you are tied down administering, tuning, and supporting infrastructure?

HPE Primera redefines what's possible in mission-critical storage

drive support, HPE Primera delivers both and 100% data availability.

- With enhanced replication over Fibre Channel (FC) and replication over Internet Protocol (IP), you now have the flexibility of choosing the storage protocol that best fits your DR/BC needs.
- Flat support for HPE Primera gives you: Peace of mind for budgeting and planning and more predictability to ensure you receive the same great support year after year at the same price as Day 1.

by delivering the agility of the cloud while raising the bar on resiliency and performance. Built upon proven resiliency and powered by HPE InfoSight, HPE Primera delivers instant access to data with storage that sets up in minutes, upgrades transparently, and is delivered as a service. Ensure always fast and always on storage for all mission-critical apps, backed by a 100% Availability Guarantee [1].

FEATURES

Achieve an On-demand Storage Experience

Deploy, manage, and scale your storage in 93% less time [2] with a platform that sets up in minutes, tunes itself, and upgrades transparently without hassle.

Consume storage on your terms. With HPE Greenlake, HPE Primera grows with your business needs and gives IT instant gratification with elastic consumption and scale delivered as-a-service.

Get a Timeless ownership experience that keeps getting better overtime. Say goodbye to forklift upgrades and hidden costs with all-inclusive licensing, non-disruptive controller upgrades, efficiency and up-time guarantees, and flexible consumption options to suit your needs.

Prevent Disruptions with App-aware Resiliency

Raise the bar on mission-critical reliability. HPE Primera comes standard with a 100% data availability guarantee, without requiring special contracts or onerous terms.

See beyond the walls of storage. More than 90% of issues arise from above the storage layer [3] – in the network, server and virtualization layer. HPE Primera sees beyond storage with HPE InfoSight to predict and prevent any disruptions in the networking, application and server layers.

Defend against storage and site failure with transparent business continuity and extend app-aware data protection to the cloud.

Consolidate Without the Risk

Ensure your traditional and modern mission critical apps are always fast, even at scale thru an all-active architecture built for Storage Class Memory and NVMe.

Get visibility for optimizing application workload placement while accounting for application performance characteristics and interactions with other shared applications on an HPE Primera system.

Eliminate the guesswork with real-time analytics to maintain predictable performance. AI models trained in the cloud are now embedded in the array for real-time analytics to ensure consistent performance for application workloads.

Enterprise Storage Ownership Transformed

Freedom from hidden costs such as nickel & dime licensing! Enterprise software features including replication, native data protection via snapshots and data reduction are included in the base Primera OS. Only Encryption enablement for $1* requires a license providing you a transparent and low TCO.

Designed for mission-critical applications, HPE Primera compaction technologies are inline for peak efficiency without performance penalties. If you're not satisfied with the storage efficiency for your workloads on your new HPE Primera system, we will work harder to meet your storage expectations.

It's time to say goodbye to disruption due to unexpected downtime. The 100% Availability Guarantee is a standard benefit of being an HPE Primera customer with the standard HPE Proactive Care or higher support contract. It is a cost-nothing guarantee for a qualified outage. [1]

Try HPE Primera for 30 days at no risk. We believe that once you experience HPE Primera, you'll become a satisfied customer for life. If you aren't completely satisfied with the benefits and capabilities of HPE Primera as outlined in our product specs, we will work with you to make things right. [5]

Technical specifications	HPE Primera 600 Storage
Capacity	HPE Primera A630: 250 TiB (SSD only); HPE Primera A650: 800 TiB (SSD only); HPE Primera A670: 1600 TiB (SSD only); HPE Primera C630: 250TiB (SSD only) / 750TiB (HDD and SSD)* [4]; HPE Primera C650*: 800TiB (SSD only) / 2000TiB (HDD and SSD)* [4]; HPE Primera C670*: 1600TiB (SSD only) / 4000TiB (HDD and SSD)* [4]
Drive description	SAS SFF FIPS Encrypted SSD; SAS SFF SSD; SAS SFF FIPS Encrypted 10K HDD* [4]; SAS SFF 10K HDD* [4]; SAS LFF FIPS Encrypted 7.2K HDD* [4]; SAS LFF 7.2K HDD* [4]
Enclosures	HPE Primera 2U24 SFF SAS Drive Enclosure HPE Primera 2U12 LFF SAS Drive Enclosure
Maximum drives per enclosure	HPE Primera 600 2-way Storage Base: 24; HPE Primera 600 4-way Storage Base: 48; HPE Primera 2U24 SFF SAS Drive Enclosure: 24; HPE Primera 2U12 LFF SAS Drive Enclosure: 12* [4]
Host interface	32 Gb/s Fibre Channel; 16 Gb/s Fibre Channel
Cache	HPE Primera 630: 128 GiB; HPE Primera 650: 256 GiB; HPE Primera 670: 512 GiB / 1 TiB
Storage controller	HPE Primera A630 Controller; HPE Primera C630 Controller* [4]; HPE Primera A650 Controller; HPE Primera C650 Controller* [4]; HPE Primera A670 Controller; HPE Primera C670 Controller* [4]
Availability features	Redundant power and cooling modules with battery and fans; A minimum of dual redundant controllers, max of four controllers for added redundancy; RAID 6 for data protection.
Compatible operating systems	Microsoft Windows Server 2012 Microsoft Windows Server 2012 R2 Microsoft Windows Server 2016 Microsoft Windows Server 2019 Microsoft Windows Hyper-V HP-UX SUSE Linux Enterprise Server (SLES) Red Hat Enterprise Linux (RHEL) VMware ESX and ESXi Oracle Solaris Oracle UEK Oracle Linux Citrix XenServer IBM AIX HPE OpenVMS Apple OS X HPE OpenVMS is a registered release only
Minimum dimensions (H x W x D)	HPE Primera 630: 483 x 839 x 87.5 cm (W/D/H) HPE Primera 650: 483 x 839 x 174 cm (W/D/H) HPE Primera 670: 483 x 839 x 174 cm (W/D/H)

Weight	HPE Primera 630: 33.6 kg HPE Primera 650 2N: 47.3 kg HPE Primera 650 4N: 67.3 kg HPE Primera 670 2N: 47.3 kg HPE Primera 670 4N: 67.3 kg (weight includes chassis, controllers, and PCBM, no drives or adapters)
Warranty	3/0/0 (3-years parts-only); 5/0/0 (for SSDs)

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

HPE POINTNEXT

HPE Pointnextleverages our breadth and depth of technical expertise and innovation to help to accelerate digital transformation. A comprehensive portfolio that includes—Advisory, Professional, and Operational Services is designed to help you evolve and grow today and into the future.

Operational Services

- **HPE Datacenter Care**offers a tailored operational support solution built on core deliverables. It includes hardware and software support, a team of experts to help personalize deliverables and share best practices, as well as optional building blocks to address specific IT and business needs.
- **HPE Proactive Care**is an integrated set of hardware and software support including an enhanced call experience with start to finish case management helping resolve incidents quickly and keeping IT reliable and stable.
- **HPE Foundation Care**helps when there is a hardware or software problem offering several response levels dependent on IT and business requirements.

Advisory Servicesincludes design, strategy, road map, and other services to help enable the digital transformation journey, tuned to IT and business needs. Advisory Services helps customers on their journey to Hybrid IT, Big Data, and the Intelligent Edge.

Professional Serviceshelps integrate the new solution with project management, installation and startup, relocation services, and more. We help mitigate risk to the business so there is no interruption when new technology is being integrated in the existing IT environment.

HPE GREENLAKE

HPE Greenlake is an as-a-service offering that delivers on-demand capacity and planning, combining the agility and economics of public cloud with the security and performance of on-premises IT.

[1] 100% Availability Guarantee Solution Brief
hpe.com/us/en/pdfViewer.html?docId=a00074521&parentPage=/us/en/products/storage/hpe-primera&resourceTitle=100%25+Availability+Guarantee+%E2%80%93+HPE+Primera+brochure

[2] Up to 93% less time - Based on HPE internal testing of a leading Tier-1 storage system versus HPE Primera

[3] Based on recent survey of IT leaders by IDC

[4] Note under specifications *select availability

[5] https://h20195.www2.hpe.com/v2/Getdocument.aspx?docname=a50000089enw&skiphtml=1

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