

HPE PRIMERA 600 STORAGE

Primera Storage



WHAT'S NEW

- Self-optimize system operations in real-time by intelligently and dynamically optimizing resource utilization to ensure fast and predictable performance.
- Deliver transparent business continuity now with the flexibility to replicate to a third site to recover from a metropolitan area disaster with enhanced HPE Peer Persistence.
- Near-instant asynchronous replication over extended distances with a one minute recovery point objective.
- Accelerate applications and improve storage density with all-NVMe configurations. For SAP HANA, HPE Primera with all-NVMe now supports 2X the number of SAP HANA nodes at half the price [2].

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 by combining autonomous operations with extreme resiliency and performance. Built with the agility of cloud 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. Plus, it's backed by a 100% Availability Guarantee [1].

FEATURES

Achieve an On-demand Storage Experience

Deploy, manage, and scale your storage in 93% less time [3] with a platform that sets up in minutes, tunes itself, and upgrades transparently without hassle.

Rely on automated, self-optimizing system operations that take action on your behalf in real-time to help ensure fast and predictable performance.

Deliver a dynamic, fluid set of resources that you can automate and dynamically allocate in real-time, using a common API with integration with HPE Synergy and HPE Composable Rack.

Prevent Disruptions with App-aware Resiliency

Raise the bar on mission-critical reliability. HPE Primera comes standard with a 100% data availability guarantee [1], without requiring special contracts or onerous terms.

See beyond the walls of storage. More than 90% of issues arise from above the storage layer [4] – 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.

Meet any RPO/RTO strategy 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 all-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 embedded in the array for real-time analytics to ensure consistent performance for application workloads.

Enterprise Storage Ownership Transformed

Forget costly and disruptive platform rip-and-replace cycles with data-in-place upgrades.

Experience a simple, flat support pricing model to ensure you receive the same great support year after year at the same price as Day 1.

Access all OS features, including a full suite of replication capabilities and HPE InfoSight, at no additional cost.

Enjoy guaranteed availability and data reduction for the ultimate peace of mind.

Try HPE Primera for 30 days at no risk. 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)/ 700 TiB Effective# (SSD only); HPE Primera A650: 800 TiB (SSD only)/ 2200 TiB Effective# (SSD only); HPE Primera A670: 1600 TiB (SSD only)/ 4900 TiB Effective# (SSD only); HPE Primera C630: 250TiB (SSD only) / 700 TiB Effective# (SSD only/ 750TiB (HDD and SSD)* [4]; HPE Primera C650*: 800TiB (SSD only) /2200 TiB Effective# (SSD only)/ 2000TiB (HDD and SSD)* [4]; HPE Primera C670*: 1600TiB (SSD only) / 4900 TiB Effective# (SSD only)/ 4000TiB (HDD and SSD)* [4] #Effective capacity assumes 4:1 estimated data compaction rate (including: thin provisioning, deduplication, compression, and copy technologies) in a RAID 6 (6+2, 8+2, 10+2) configuration. Note TB vs TiB. Actual ratios will vary based on workload. See HPE StoreMore guarantee for more information.
Drive description	NVMe SFF FIPS Encrypted SSD; NVMe SFF SSD; 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	4TiB, Maximum, depending on model
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
Product Dimensions (metric)	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)



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.

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- **[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] 100% Availability Guarantee Solution Brief hpe.com/us/en/pdfViewer.html?docId=a00074521

[2] Based on HPE internal testing, comparing HPE Primera all-flash with HPE Primera all-NVMe.

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

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

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

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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.

Image may differ from the actual product
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