

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	<p>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]</p> <p>#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.</p>
Drive description	<p>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]</p>
Enclosures	<p>HPE Primera 2U24 SFF SAS Drive Enclosure; HPE Primera 2U12 LFF SAS Drive Enclosure</p>
Maximum drives per enclosure	<p>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]</p>
Host interface	<p>32 Gb/s Fibre Channel; 16 Gb/s Fibre Channel</p>
Cache	<p>4TiB, Maximum, depending on model</p>
Storage controller	<p>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]</p>
Availability features	<p>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</p>
Compatible operating systems	<p>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</p>



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

Access expertise at every step of your IT journey with [HPE Pointnext Services](#). [Advisory Services](#) focuses on your business outcomes and goals, to design your transformation and build a roadmap tuned to your unique challenges. Our [Professional](#) and [Operational Services](#) help speed up time-to-production and keep your IT stable and reliable.

Operational Services from HPE Pointnext Services

- [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.

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.

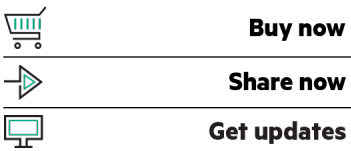
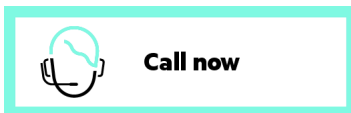
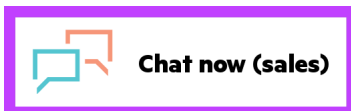
[3] Up to 93% less time - Based on HPE internal testing of a leading Tier-1 storage system versus HPE Primera

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

[5] <https://h20195.www2.hp.com/v2/Getdocument.aspx?docname=a50000089enw&skiphhtml=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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