

HPE Primera 600 Storage



What's new

- Self-optimize system operations in real-time by intelligently and dynamically optimizing resource utilization to ensure fast and predictable performance.
- Near-instant asynchronous replication over extended distances with a one minute recovery point objective.
- Deliver transparent business continuity now with the flexibility to replicate to a third site to recover from a metropolitan area disaster with Active Peer Persistence.
- Accelerate applications and improve storage

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

density. For SAP HANA, HPE Primera supports 2X's the number of SAP HANA nodes at half the price.

delivered as a service. Plus, it's backed by a 100% Availability Guarantee [1].

Features

Easily Manage Your Data infrastructure Across its Lifecycle with a SaaS-based User 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.

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 [2], 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.

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 massive parallelization.

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.[4]



Technical specifications

HPE Primera 600 Storage

Drive description	NVMe SFF FIPS Encrypted SSD [6]; NVMe SFF SSD; SAS SFF FIPS Encrypted SSD [6]; 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]
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.
Host interface	32 Gb/s Fibre Channel; 16 Gb/s Fibre Channel
Enclosures	HPE Primera 2U24 SFF SAS Drive Enclosure; HPE Primera 2U12 LFF SAS Drive Enclosure
Storage controller	HPE Primera A630 Controller [6]; HPE Primera C630 Controller* [4] [6]; HPE Primera A650 Controller [6]; HPE Primera C650 Controller* [4] [6]; HPE Primera A670 Controller [6]; HPE Primera C670 Controller* [4] [6]
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 [6]; HPE Primera 2U12 LFF SAS Drive Enclosure: 12* [4] [6]
Cache	4TiB, Maximum, depending on model
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 (imperial)	HPE Primera 630: 19.0 x 33.0 x 3.4 in (W/D/H); HPE Primera 650: 19.0 x 33.0 x 6.8 in (W/D/H); HPE Primera 670: 19.0 x 33.0 x 6.8 in (W/D/H)



Weight

HPE Primera 630: 74 lb;
HPE Primera 650 2N: 104 lb;
HPE Primera 650 4N: 148 lb;
HPE Primera 670 2N: 104 lb;
HPE Primera 670 4N: 148 lb

(weight includes chassis, controllers, and PCBM, no drives or adapters)

Warranty

3/0/0 (3-years parts-only);
5/0/0 (for SSDs)

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

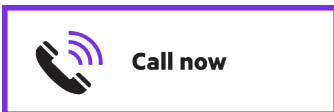
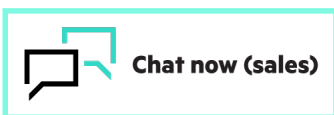
[5] <https://h20195.www2.hpe.com/v2/Getdocument.aspx?docname=a50000089enw&skiphtml=1>



For additional technical information, available models and options, please reference the [QuickSpecs](#)

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HPE Services

No matter where you are in your transformation journey, you can count on HPE Services to deliver the expertise you need when, where and how you need it. From strategy and planning to deployment, ongoing operations and beyond, our experts can help you realize your digital ambitions.

Consulting services

Experts can help you map out your path to hybrid cloud and optimize your operations.

Managed services

HPE runs your IT operations, giving you unified control, so can focus on innovation.

Operational services

Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources.

- HPE Complete Care Service: a modular service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals. All delivered by an assigned team of HPE experts.
- HPE Tech Care Service: the operational service experience for HPE products. The service provides access to product specific experts, an AI driven digital experience, and general technical guidance to help reduce risk and search for ways to do things better.

Lifecycle Services

Address your specific IT deployment project needs with tailored project management and deployment services.

HPE Education Services

Training and certification designed for IT and business professionals across all industries. Create learning paths to expand proficiency in a specific subject. Schedule training in a way that works best for your business with flexible continuous learning options

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

HPE GreenLake

[HPE GreenLake edge-to-cloud platform](#) is HPE's market-leading 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, 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](#).



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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
[PSN1011657880USEN](#), September, 2023.