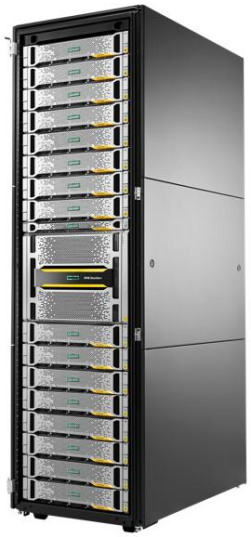
HPE 3PAR StoreServ 9000 Storage



What's new

- Protect up to 100% of your SSD investment and upgrade to HPE Primera with HPE Primera upgrade conversion kits. [1]
- Expanded Fibre Channel replication support between HPE 3PAR 9000 and HPE Primera.
- Empower data at the speed of memory with the industry's first Tier-1 storage with Storage Class Memory (SCM) and NVMe.

Overview

Are you looking to consolidate your enterprise data center applications and workloads from legacy storage as part of your digital transformation?

HPE 3PAR StoreServ 9000 Storage helps you consolidate primary storage workloads – for file and block -- onto an enterprise-class flash array without compromising performance, scalability, data services, or resiliency. This HPE 3PAR 9000 Storage is based on the proven HPE 3PAR architecture and is purpose built for all-flash consolidation, delivering the performance, simplicity and agility needed to support your hybrid IT environment. Whether your applications are virtualized, containerized, or traditional, the HPE 3PAR StoreServ 9000 Storage offers you a solution that

can deliver improved business results. More transactions, better availability, lower costs regardless of how you consume storage, with a cloud-like pay as you grow model or a traditional capital expense model. Hewlett Packard Enterprise, has you covered.

Features

Protect up to 100% of your SSD Investment with HPE Primera Upgrade Conversion Kits [1]

Skip the data migration, and upgrade to HPE Primera to experience predictive acceleration and app-aware resiliency.

Accelerate Fibre Channel Performance for HPE 3PAR All Flash Storage

HPE 3PAR 9000/20000 32Gb FC HBA delivers up to 2X performance compared to the 16Gb 4-port FC HBA in a smaller port footprint for mixed workloads and FC port consolidation.

Consolidate Multiple Legacy Arrays with Abundant Capacity

The HPE 3PAR StoreServ 9000 Storage can scale to 18 PiB of usable all-flash capacity or >100 TiB raw, offering plenty of room for growth. Consolidate multiple midrange systems for more performance and more scale for your all flash data center.

Delivers better business results with performance capable of over 2 million IOPs at sub millisecond latency and with 34 Gb/s in bandwidth.

Get a robust 5-year warranty with 7-years of wear out on all SSDs, no caveats [2]

Combines your workloads with flexibility to support both block and file with HPE 3PAR File Persona. All HPE 3PAR platforms are built from the ground up to leverage a single, converged capacity for block volumes and file shares with lower TCO while offering uncompromising availability.

Risk Mitigation for End-to-End Resiliency

The HPE 3PAR StoreServ 9000 Storage achieves 99.9999% data availability [3] in your multisite federated environment with HPE Peer Persistence. Extended support to a third data center provides data protection in case of a local storage failure and a complete disaster recovery (DR) plan.

Verifies data integrity with 3PAR Persistent Checksum to protect your data against silent corruption from the host to the storage array. Where 3PAR Persistent Checksum detects media or transmission errors, graceful error recovery takes place, avoiding impact on the host application.

Integrate HPE 3PAR and HPE StoreOnce providing an availability, replication, and backup service to augment traditional backup processes with HPE Recovery Manager. The performance of snapshots and replication combine with the protection of backup to enable fast and efficient application protection.

Preserve your service levels with 3PAR Persistent Cache so you aren't impacted by unplanned component failure, a key requirement for the virtual data center. HPE 3PAR can maintain high and predictable service levels even in the event of a cache or node failure by avoiding cache write-through mode.

Technical specifications — HPE 3PAR StoreServ 9000 Storage

Drive description	SFF SAS
Capacity	6000 TiB Maximum, depending on model
Host interface	32 Gb/sec Fibre Channel (10) Ports per controller 16 Gb/sec Fibre Channel (80) Ports 10 GbE iSCSI/FCoE (40) Ports 10 Gb Ethernet (24) Ports Maximum supported, depending on configuration and model
Enclosures	(48) 3PAR 9000 SFF SAS Drive Enclosure Maximum, depending on model.
Storage controller	3PAR 9000 10-core 2.4 GHz Controller Node Maximum, depending on model
Maximum drives per enclosure	24
Cache	896 GiB Maximum, depending on model
Availability features	Redundant power supplies and fans A minimum of dual redundant controllers, with up to two controllers for added redundancy RAID 1, RAID 5 and RAID 6 for data protection.
Compatible operating systems	Microsoft Windows Server 2008 Microsoft Windows Server 2008 R2 Microsoft Windows Server 2012 Microsoft Windows Server 2012 R2 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. For the latest information on supported operating systems refer to Single Point of Connectivity Knowledge for HPE Storage Products (SPOCK): https://h20272.www2.hpe.com/spock/

[1] Conditions apply. Contact your HPE account representative for more information.

[2] On all SSDs on 3PAR 8000/9000/20000 purchased after June 1, 2015 with life left below 5% as determined by HPE and with drive age less than seven years from warranty start date and no interruption in HPE support coverage. Wear out in years six and seven applies to media and electronic failure replacements for all SSDs.

[3] Based on HPE analysis of public information for portfolios spanning IDC mid-range and high-end price bands. https://h20195.www2.hpe.com/V2/GetDocument.aspx?docname=4AA5-2846ENW

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

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.

The Defective Media Retention (DMR) service feature option applies only to Disk or eligible SSD/Flash Drives replaced by Hewlett Packard Enterprise due to malfunction. Comprehensive Defective Material Retention (CDMR) allows you to keep all data retentive components.

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.

Explore **HPE GreenLake**

Make the right purchase decision. Contact our presales specialists.

Chat now (sales)

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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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PSN1009949091NZEN, December, 2023.

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