Hewlett Packard Enterprise

HPE ALLETRA 9000

Alletra Storage Arrays

WHAT'S NEW

- Eliminate complexity by unifying infrastructure management silos under a cloud managed single pane of glass, accessible from anywhere and from any device
- Developed from the foundation of HPE Primera's architecture, proven to deliver ultra-low latency with 75% of I/O within 250 ?s latency [2]
- Delivers performance density with All-NVMe for over 2 million IOPs in 4U [3]
- Designed for extreme availability requirements with 100% availability

OVERVIEW

Is your enterprise class storage holding you back because you are tied down administering, tuning, and supporting infrastructure? Are you looking to shift from managing disparate clouds to a cloud everywhere experience with the same agility, simplicity, and cloud consumption for every application?

HPE Alletra is a edge-to-core portfolio designed to deliver the cloud experience wherever data lives. For mission-critical workloads, HPE Alletra 9000 delivers extreme latency sensitivity and reliability. It enables IT to shift from owning and maintaining data infrastructure to simply accessing and utilizing it on-demand and as-a-service. Built on a unique, massively parallel, multi-node, and all-active platform, HPE

guaranteed as a standard benefit without requiring a special contract [1]

- Meet every service level agreement with synchronous replication for RPO zero and transparent failover for RTO zero through Active Peer Persistence
- Eliminate forklift upgrades and enjoy non-disruptive controller upgrades, flat support pricing, and flexible consumption options

Alletra 9000 consolidates traditional and next-generation mission-critical applications at scale with predictable performance and ultra-low latency, backed by a 100% availability guarantee. [1]

FEATURES

AI-driven

Predict and prevent disruptions across storage, services, and virtual machines, resulting in savings of over 1.5 million hours of lost productivity due to downtime.

Redefine support experience with predictive support automation that delivers an unprecedented support experience with no escalations and direct access to resources.

Pinpoint issues between storage and VMs and underutilized virtual resources without effort.

Take the guesswork out of managing data infrastructure with AI-driven recommendations that improves performance, drives higher availability, and optimizes resource utilization and planning.

Built for Cloud

Setup in minutes because systems are automatically discovered, on-boarded, and configured.

Say goodbye to time-consuming, LUN-centric provisioning with AI-driven, intent-based provisioning of application workloads on infrastructure best suited for optimizing SLAs.

Experience faster access to innovation with no disruptions because new features and enhancements are instantly available through self-service upgrades.

Manage from anywhere with simple global management driven through a SaaS-based user experience.

As-a-Service

Consume data infrastructure as a service via HPE Greenlake, eliminating up front capital costs with a pay-per-use model.

Shift from owning and maintaining data infrastructure to simple accessing and utilizing it on-demand.

Free up your cash flow and increase financial agility with the right mix of subscription and consumption-based services.

Technical specifications — HPE Alletra 9000

Capacity	HPE Alletra 9060: 656 TiB (raw) / 2000 TiB (effective)#; HPE Alletra 9080: 656 TiB (raw) / 2000 TiB (effective)#; #Effective capacity assumes 4:1 estimated data compaction rate (including: thin provisioning, deduplication, compression, and copy technologies) in a RAID 6 (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; NVMe SFF FIPS encrypted TAA SSD
Maximum drives per enclosure	48
Host interface	32Gb/s Fibre Channel; 16Gb/s Fibre Channel; 25 Gb Ethernet; 10 Gb Ethernet; 10 GBaseT Ethernet
Cache	HPE Alletra 9060: 1024GiB; HPE Alletra 9080: 3072GiB
Storage controller	HPE Alletra 9060 2N Controller; HPE Alletra 9080 2N Controller
Availability features	Redundant power and cooling modules with battery and fans; A minimum of dual redundant controller nodes, max of four controller nodes for added redundancy; RAID 6 for data protection
Compatible operating systems	Microsoft Windows Server; Microsoft Windows Hyper-V; HP-UX; SUSE Linux Enterprise Server (SLES); Red Hat Enterprise Linux (RHEL); VMware ESX and ESXi; Oracle Solaris; Oracle Linux; Citrix Hypervisor ; IBM AIX; IBM Virtualization; VSI OpenVMS
Product Dimensions (metric)	483 x 839 x 174 cm (W/D/H)
Weight	HPE Alletra 9000 with 2 nodes: 49.1 kg; HPE Alletra 9000 with 4 nodes: 70.9 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.

- **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.

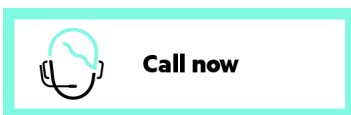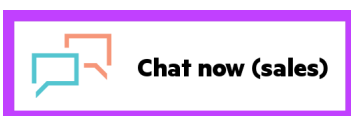If you are looking for more services, like **IT financing solutions**, please explore them here.

[1] 100% Availability Guarantee Solution Brief

[2] 75% of read/write requests within 250 ?s of latency across HPE Primera All-flash installed base

[3] Based on HPE internal testing for HPE Alletra 9000 with TPVV, RAID6, 8KiB Random Reads

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