

HPE Alletra Storage MP B10000



Neuerungen

- Simplify management with enhanced and extended AI-driven performance reporting: New cross-stack analytics delivers end to end visibility for VM environments.
- Start small, scale big with 2X more capacity—from 15 TB to around 5.6 PB—with support for up to 16 JBOF expansion shelves. Maximize cost savings in 2-drive and one-controller-node increments.
- Remove risk and complexity with quick non-disruptive data migration managed directly from within the HPE GreenLake Cloud.
- QLC SSD support provides higher density, lower TCO, and optimized price performance for capacity-intensive workloads
- Meet the data security, sovereignty and compliance requirements for highly regulated environments with a fully disconnected secure solution.
- Monitor, observe, and reduce energy

Übersicht

HPE Alletra Storage MP B10000 provides mission-critical storage at midrange economics with the industry's first disaggregated, scale-out block storage with a 100% data availability guarantee. Built on HPE Alletra Storage MP hardware and managed via the HPE GreenLake cloud, this unique block storage offering brings an intuitive cloud experience, efficient scale, and extreme resiliency and performance to mission-critical apps — from large databases to modern cloud native apps to consolidated mixed workloads - at a midrange price point.

Get an intuitive, AI-driven cloud experience on-prem that simplifies management and shifts operations from infrastructure-centric to app-centric. Scale performance and capacity independently — and without disruption — with disaggregated storage. Meet every SLA with mission-critical storage that delivers an unrivalled 100% data availability guarantee.

Funktionen

Simplify Management with an Intuitive Cloud Experience on Prem

Simplify operations and move faster with a cloud operational experience across the lifecycle— from install to upgrade — with an AI-driven cloud operational experience powered by the HPE GreenLake cloud. A similar cloud-like experience is also offered for disconnected on-prem environments.

Simplified deployment: Get started in minutes with streamlined device deployment. Simply rack the infrastructure, plug in the power cords, and connect the network cables. With a few clicks, the new system is configured and available in your fleet, ready to serve data for application workloads.

consumption with HPE Sustainability
Insight Center support.

Deploy apps faster: Automate app deployment with intent-based provisioning. Select the storage tier, workload type, capacity and protection policy, and let AI-driven intelligence automatically optimize your SLAs by recommending the best-suited system across your fleet for your new workload.

Unified storage management: 100% cloud-managed infrastructure means you can manage, monitor and protect your global storage environment from a single cloud console that's accessible from any location, on any device - so managing hundreds of systems across geographies is as simple as managing one.

Invisible upgrades: Thanks to SaaS-based delivery, new data services instantly become available to you. Data plane software upgrades are non-disruptive and intelligently matched to a given system.

Better Performance, Better Economics with Disaggregated, Scale out Storage

Scale without limitations: Scale capacity and performance independently with disaggregated, scale-out storage – for greater efficiency and lower costs. Fine-tune, adapt and elastically scale your storage environments in line with workload requirements and evolving business needs.

Start small, scale big: Start small with cost-efficient two-node entry level configurations. Scale-up and scale-out to multi-node configurations with granular performance and capacity upgrades.

Non-disruptive upgrades: Boost ROI with on-line, non-disruptive, data-in-place upgrades without repurchasing existing storage.

Increase efficiency and cost savings with single controller node performance scaling.

Run any app – Without Compromise with a 100% Data Availability Guarantee

Get peace of mind with 100% data availability guaranteed [1]: Built on an AI-driven, disaggregated, no single point of failure platform to guarantee resilient 100% data availability for your mission-critical apps.

Advanced DR and HA: Meet any recovery-point objective (RPO) and recovery-time objective (RTO) strategy with transparent business continuity and automatic fail-over across multiple sites, as well as getting simple and efficient hybrid cloud data protection for on-prem and cloud native workloads.

Accelerate your most demanding applications: Built on a unique, massively parallel, multi-node, and all-active platform, HPE GreenLake for Block Storage consolidates traditional and next-generation mission-critical applications at scale with predictable performance and ultra-low latency.

Industry's most advanced AI-Ops: Predict and prevent disruptions before they occur across the stack and pinpoint issues between storage and VMs and under-utilized resources. Take the guesswork out of managing storage with AI-driven recommendations that improve performance and availability.

Transformed support experience: Reduce time-consuming, frustrating escalations via predictive support automation and direct access to the experts and resources you need.

Future proofed-investment that never gets old

No forklift upgrades: With the HPE Timeless Storage program for HPE Alletra Storage MP B10000, you can protect your investment and keep your storage continuously up to date with a non-disruptive controller refresh. This reduces your TCO and saves an average of 30% over traditional forklift upgrades.

Constantly-improving data services: Unleash the full potential of HPE Alletra Storage MP B10000 with our all-inclusive software subscription. Get access to all our operating system features and enhancements, including AI-driven cloud operations on the HPE GreenLake cloud, at no additional cost.

Rely on 100% data availability—guaranteed: Forget the disruption of unexpected downtime. HPE Alletra Storage MP B10000 is an AI-driven, disaggregated, no-single-point-of-failure platform to guarantee resilient 100% data availability for every customer and every array

Store more for less with the HPE StoreMore Guarantee: This guarantees total savings of at least 4:1. for your workloads - reducing physical storage costs,

saving energy, and decreasing data center footprint.

30-day satisfaction guarantee: Try HPE Alletra Storage MP B10000 for 30 days at no risk. If you are not completely satisfied with the benefits and capabilities of your storage system as described in the product specifications, we will work with you to make things right.

Technische Daten

HPE Alletra Storage MP B10000

Drive description	NVMe SFF encrypted SSD: 1.92 TB, 3.84 TB, 7.68 TB, 15.36 TB QLC SSDs: 15.36 TB, 30.72 TB
Capacity	Up to 368 TB per enclosure switchless, up to 1.1 PB per solution switched, up to 5.8 PB per solution
Host interface	32Gb/s Fibre Channel, 10/25GbE iSCSI
Enclosures	2U form factor of HPE Alletra Storage MP
Storage controller	Redundant HPE Alletra Storage MP B10000 32-core, HPE Alletra Storage MP B10000 16-core, and HPE Alletra Storage MP B10000 8-core controller nodes support for two (2), three (3), and four (4) controller nodes per solution.
Maximum drives per enclosure	24 NVMe SSDs per enclosure B10100, up to two (2) expansion shelves per solution B10200, up to sixteen (16) expansion shelves per solution.
Cache	512 GB cache memory per 32-core Controller Node 256 GB cache memory per 16-core Controller Node 256 GB cache memory per 8-core Controller Node
Availability features	Redundant power, cooling modules, and fans; A minimum of dual redundant controller nodes
Compatible operating systems	Microsoft® Windows® Server and Microsoft® Hyper-V™ VMware ESX and ESXi Red Hat® Enterprise Linux® SUSE® Linux Enterprise Server (SLES)
Warranty	1-year, parts-only warranty for hardware components

[1] 100% Data Availability Guarantee:hpe.com/psnow/doc/a00058506enw

[2] 100% Data Availability Guarantee:
hpe.com/psnow/doc/a00058506enw?from=app§ion=search&isFutureVersion=true



[Weitere technische
Informationen, verfügbare
Modelle und Optionen finden Sie
in den QuickSpecs](#)

HPE Services

Egal, wo Sie sich auf Ihrem Weg zur Transformation befinden, können Sie darauf zählen, dass Ihnen HPE Services die erforderliche Fachkompetenz bietet, wann, wo und wie auch immer Sie sie benötigen. Von der Strategie und Planung über die Bereitstellung bis hin zum laufenden Betrieb und darüber hinaus können Ihnen unsere Experten dabei helfen, Ihre digitalen Ambitionen zu verwirklichen.

Advisory & Professional Services

Lassen Sie sich von Experten dabei unterstützen, Ihren Weg zur Hybrid Cloud zu planen und Ihren Betrieb zu optimieren.

Managed Services

HPE verwaltet Ihren IT-Betrieb und bietet Ihnen eine einheitliche Steuerung, damit Sie sich auf Innovationen konzentrieren können.

Support-Services

Optimieren Sie Ihre gesamte IT-Umgebung und treiben Sie Innovationen voran. Bewältigen Sie die täglichen IT-Betriebsaufgaben und setzen Sie wertvolle Zeit und Ressourcen frei.

- **HPE Complete Care Service:** ein modularer Service, mit dem wir Sie dabei unterstützen Ihre gesamte IT-Umgebung zu optimieren und vereinbarte IT-Ergebnisse und Unternehmensziele zu erreichen. Der gesamte Service wird durch speziell geschulte und zugewiesene HPE Experten bereitgestellt.
- **HPE Tech Care Service:** das operative Serviceerlebnis für HPE Produkte. Der Service bietet Ihnen Zugang zu produktspezifischen Experten, ein KI-gestütztes digitales Erlebnis und allgemeine technische Anleitungen als Hilfestellung, Risiken zu reduzieren und ständig nach Wegen zu suchen, die Dinge besser zu machen.
- **HPE Multivendor Services:** Zentrale Verantwortung für die Verwaltung des Hardware- und Software-Supports vor Ort für Produkte verschiedener Anbieter. Die HPE Experten helfen Ihnen, Ihre IT über Technologien und Plattformen von HPE und anderen Herstellern hinweg zu verwalten, und fungieren als zentrale Ansprechpartner für Ihre Anforderungen hinsichtlich des IT-Betriebs.

Lifecycle Services

Erfüllen Sie die spezifischen Projektanforderungen Ihrer IT-Bereitstellung mit maßgeschneiderten Projektmanagement- und Bereitstellungsservices.

HPE Education Services

Schulungen und Zertifizierungen für Fachkräfte im IT- und Geschäftsbereich in allen Branchen. Erstellen Sie Lernpfade, um Ihre Kenntnisse in einem bestimmten Fachgebiet zu erweitern. Planen Sie die Schulungen so, wie es für Ihr Unternehmen am besten ist, mit flexiblen Optionen für kontinuierliches Lernen.

Die **Einbehaltung defekter Datenträger** ist ein optionaler Service: Sie können Festplatten oder entsprechende SSD/Flash-Laufwerke behalten, die von HPE aufgrund einer Fehlfunktion ausgetauscht wurden.

HPE GreenLake

[HPE GreenLake Edge-to-Cloud-Plattform](#) ist das marktführende As-a-Service-Angebot von HPE, das ortsunabhängig (in Rechenzentren, Multi-Clouds und am Edge) das Beste der Cloud für Anwendungen und Daten bietet, mit einem einheitlichen Betriebsmodell, On-Premises, mit vollständiger Verwaltung und einer nutzungsabhängigen Bezahlung.

Informationen zu weiteren Services wie IT-Finanzierungslösungen [finden Sie hier](#).

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