Hewlett Packard Enterprise

HPE 15.36TB SAS 24G READ INTENSIVE SFF BC MULTI VENDOR SSD (P49045-K21)

Server Solid State Drives



WHAT'S NEW

- HPE 3.84 TB, 7.68 TB 24G Read Intensive SFF, BC, PM6, Self-encrypting Federal Information Processing Standards (FIPS), SSDs
- Self-encrypting FIPS
- Next Generation of 24Gb SAS-4 SSD interface
- Capable of doubling 12Gb Enterprise SAS

OVERVIEW

Do you need to accelerate the performance of your read intensive applications?

HPE SAS Read Intensive (RI) Solid State Drives (SSDs) deliver enterprise features at an affordable price for applications requiring high read IOPS performance. HPE 12Gb Enterprise SAS RI SSDs transfer data at full duplex (bidirectional) allowing greater I/O bandwidth to alleviate bottlenecks at twice the 6Gb

SSD performance with future 24Gb SAS controller and server technology enhancements

interface of SATA drives.

HPE 12Gb SAS RI SSDs are best suited for mission-critical enterprise applications requiring a strong blend of high read IOPS and low latency. HPE 12Gb Enterprise SAS RI SSDs are ideal for read caching, social media, web servers and boot/swap workloads.

SAS technology continues to be the interface of choice for many workloads for its reliability and 24x7 operation in the enterprise data center.

HPE SSDs are backed by over 3 million hours of testing and qualification [1] ensuring reliable, high performing drives.

FEATURES

High Performance, Exceptional Reliability, and Efficiency for Faster Business Results

HPE 12Gb SAS Read Intensive (RI) SSDs are ideal for read caching, social media, web servers and boot/swap.

Achieve high IOPS and lower latency to enhance the performance of your data center.

Maintain data accuracy with full data-path error detection and surprise power loss protection.

Choose from a broad portfolio of enhanced solutions in a wide variety of capacities.

Self-encrypting FIPS

HPE 24Gb Enabled SAS SSDs are Capable of 2x the Performance of 12Gb SAS SSDs.

Next Generation of SAS interface, based on the SAS-4 specification.

HPE 24Gb Enterprise SAS capability relies on a complete ecosystem enablement requiring a 24G SAS controller and updated server infrastructure which is set to launch in 2021.

HPE 24Gb Enterprise SAS SSDs are compatible with 12Gb Enterprise SAS ecosystem

Technical specifications

HPE 15.36TB SAS 24G Read Intensive SFF BC Multi Vendor SSD

Product Number	P49045-K21
Lifetime Writes	27,393
Endurance DWPD (Drive Writes Per Day)	1
Read IOPS	Random Read IOPS (4KiB, Q=16)= 150,000 Max Random Read IOPS (4KiB)= 174,000@Q64
Write IOPS	Random Write IOPS (4KiB, Q=16)= 140,000 Max Random Write IOPS (4KiB)=145,000@Q16
Power (Watts)	17.62
Plug Type	Hot Pluggable
Height	15mm
Warranty	HPE Solid State Drives and Add-In Cards have a standard 3/0/0 warranty Customer Self Repair (CSR) subject to maximum usage limitations. Maximum usage limit is the maximum amount of data that can be written to the drive. Drives that have reached this limit will not be eligible for warranty coverage.

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

HPE POINTNEXT SERVICES

HPE Pointnext Services brings together technology and expertise to help you drive your business forward and prepare for whatever is next.

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 Pointnext Complete Care is a modular, edge-to-cloud IT environment service that provides a holistic approach to optimizing your entire IT environment, and achieving agreed upon IT outcomes and business goals through a personalized and customer-centric experience. All delivered by an assigned team of HPE Pointnext Services experts.

HPE Integration and Performance Services help you customize your experience at any stage of your product lifecycle with a menu of services based on individual needs, workloads, and technologies.

- Advise, design, and transform
- Deploy
- Integrate and migrate
- Operate and improve
- Financial Services
- Greenlake Management Services
- Retire and sanitize
- IT Training and personal development

Other related services

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.

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 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] HPE Specified Testing: Over 3M hour test quant, derived from a combination of drive qualification test plans, specifically HDDQ spec-supplier responsibility to perform, HDDQ spec-HPE responsibility to perform, Reliability Demonstration Test (RDT) spec, CSI integration test spec, and Pilot test requirements. Tests were conducted in June 2020.

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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.

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