Hewlett Packard Enterprise

HPE SATA M.2 READ INTENSIVE SOLID STATE DRIVES

Server Solid State Drives

WHAT'S NEW

- HPE 240 GB, 480 GB SATA 6G Read Intensive M.2 Multi Vendor SSD
- HPE Dual 480 GB SATA 6G Read Intensive M.2 to SFF Smart carrier M.2 Multi Vendor SSD

OVERVIEW

Do your read-intensive workloads need consistently high performance from a Solid State Drive with low latency and reduced power consumption?

HPE SATA M.2 Read Intensive (RI) Solid State Drives (SSDs) deliver enterprise features and performance at an affordable price for workloads high in reads such as boot/swap, web servers, and read caching. Hewlett Packard Enterprise SSDs are backed by over 3 million hours of testing and qualification in various environments, certifying reliable, high performing

drives. [1] HPE Digitally Signed Firmware prevents unauthorized access to your data by verifying that drive firmware comes from a trusted source. HPE SATA M.2 RI SSDs achieves higher Input/Output Per Second (IOPs) to enhance the performance of your data center, giving you faster access to data with excellent latency. With reduced power consumption, it provides improved IOPS/W versus rotating media and reduces datacenter cooling costs.

FEATURES

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

HPE SATA M.2 Read Intensive Solid State Drives maintain data accuracy with full data-path error detection and by using self-describing LEDs to reduce drive activity confusion.

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

Accelerate Workload Performance

HPE SATA M.2 Read Intensive Solid State Drives achieve higher Input/Output Per Second (IOPs) to enhance the performance of your data center.

Experience modern technology and increased performance of SATA M.2 SSDs, giving you faster access to data with excellent latency.

Deliver High Reliability in your Data Center

HPE SATA M.2 Read Intensive Solid State Drives provide compatibility with the HPE ProLiant Server series and HPE controllers for consistent, reliable performance.

HPE Solid State Drives are rigorously tested 3 million hours in various environments to achieve the quality standards you need. [1]

HPE Digitally Signed Firmware prevents unauthorized access and malicious attacks to your data by verifying that drive firmware comes from a trusted source.

Deliver high availability with power loss protection that continues to protect your data even when the datacenter loses power.

Provides Simplicity and Lower Total Cost of Ownership

HPE SATA M.2 Read Intensive Solid State reduce power consumption, provide improved IOPS/W versus rotating media, and reduce datacenter cooling costs.

With available management tools, you can prevent data loss and monitor SSD life with HPE SmartSSD Wear Gauge compatibility.

Technical specifications	HPE SATA M.2 Read Intensive Solid State Drives
Lifetime Writes	NAND Flash devices use semiconductor technology that has a finite number of data that can be written to the device, defined as the Maximum Usage Limit, commonly called “Write Endurance”. Write Endurance - is measured while running 100% random 4KiB writes across the entire SSD. Drive Writes Per Day (DWPD) - Workload environment is based on 100% random 4KiB writes for five (5) years, which is the maximum amount of data that can be written to the device before reaching the device's write endurance limit.
Endurance DWPD (Drive Writes Per Day)	Endurance: Read Intensive Drives are typically defined as <=1 DWPD
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 Internal lab testing. Up to 3.35 million hour test quant is derived from a combination of drive qualification test plans, specifically HDDQ spec-supplier responsibility to perform, HDDQ spec-HPE responsibility to perform, RDT-Reliability Demonstration Test (RDT) spec, CSI integration test spec and pilot test requirements. Test was conducted in June 2020.

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