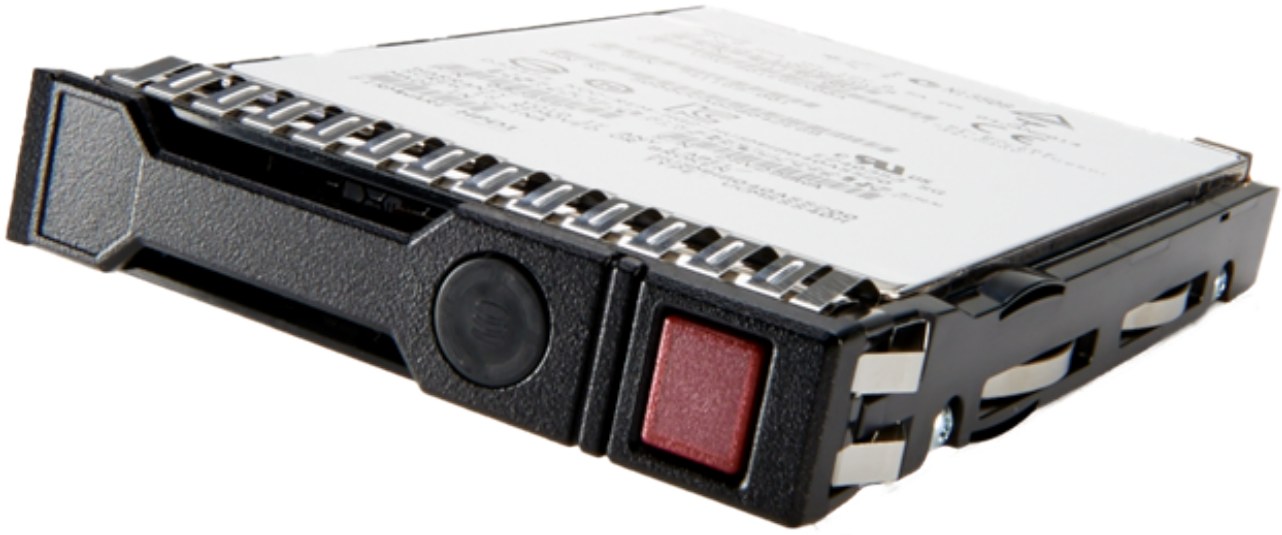
HPE SATA M.2 Read Intensive Solid State Drives



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.

[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.

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 online

Chat now (sales)

Call now

Buy now

Share now

Get updates

Hewlett Packard Enterprise

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.

Image may differ from the actual product

PSN1013310596UKEN, March, 2024.