



**Hewlett Packard**  
Enterprise

# HPE 480GB NVME GEN3 MAINSTREAM PERFORMANCE READ INTENSIVE M.2 MULTI VENDOR SSD (P40513- K21)

## Server Solid State Drives



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### WHAT'S NEW

- Now available in 1.92 TB, 960 GB, and 480 GB capacities

### OVERVIEW

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

HPE NVMe M.2 Mainstream Intensive Solid State Drives offer enterprise customers high performance with consistently low

latency for faster business outcomes. Solid state drives deliver faster load times for today's demanding applications and workloads. Because of the technology used, SSDs are lighter and better able to withstand movement and droppage. In addition, solid state drives use less energy, allowing computers to run cooler. Because SSDs use nonvolatile storage media that stores persistent data on solid-state flash memory, file copy/write speeds are faster as well.

## FEATURES

### Enhanced Security and Ongoing Monitoring

HPE NVMe M.2 Mainstream Performance Read Intensive Solid State Drives feature Digitally Signed Firmware to prevent data loss and malicious attacks by verifying that drive firmware comes from a trusted source.

HPE Smart SSD Wear Gauge with management tools monitors the lifespan of an SSD and prevents data loss.

### Increase Reliability

HPE NVMe M.2 Mainstream Performance Read Intensive Solid State Drives prevent unexpected data loss with the HPE Smart Carrier, featuring a "do not remove" button and intuitive icons that report drive activity at-a-glance.

HPE NVMe M.2 Mainstream Performance Read Intensive Solid State Drives deliver high availability with power loss protection that continues to protect your data even when the data center loses power.

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

### Accelerate Performance

The HPE NVMe M.2 Mainstream Performance Read Intensive Solid State Drives features incredible speed of data transfer, diminutive size, and flexibility of the M.2 expansion slot, making it a perfect match for booting the platforms.

HPE Multi Vendor offerings provide shorter lead times to available HPE NVMe M.2 Mainstream Performance Read Intensive Solid State Drives supplies and verifies the M.2 SSD selected delivers the minimum level of performance published, or better.



**Technical specifications****HPE 480GB NVMe Gen3 Mainstream Performance  
Read Intensive M.2 Multi Vendor SSD**

<b>Product Number</b>	P40513-K21
<b>Lifetime Writes</b>	482
<b>Endurance DWPD (Drive Writes Per Day)</b>	0.55
<b>Read IOPS</b>	Random Read IOPS (4KiB, Q=16)=135,000 Max Random Read IOPS (4KiB)=250,000@Q256
<b>Write IOPS</b>	Random Write IOPS (4KiB, Q=16)=26,500 Max Random Write IOPS (4KiB)=26,500@Q128
<b>Power (Watts)</b>	6.49
<b>Plug Type</b>	Non-Hot Pluggable
<b>Height</b>	2mm
<b>Product Dimensions (metric)</b>	10.8 x 15.88 x 3.76 cm
<b>Weight</b>	0.5 kg
<b>Warranty</b>	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. 3 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, Reliability Demonstration Test (RDT) spec, CSI integration test spec and pilot test requirements. Test conducted in May 2017.

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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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