



# **HPE 3.2TB NVME GEN4 MAINSTREAM PERFORMANCE MIXED USE SFF SCN U.3 PE8030 SSD (P19831-H21)**

## **Server Solid State Drives**

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### **WHAT'S NEW**

- HPE 800 GB, 1.6 TB, 3.2 TB, 6.4 TB NVMe Gen4 Mainstream Performance Mixed Use SFF SC U.3 PE8030 SSDs.
- HPE 800 GB, 1.6 TB, 3.2 TB, 6.4 TB NVMe Gen4 Mainstream Performance Mixed Use SFF SCN U.3 PE8030 SSDs.

### **OVERVIEW**

Do you need to accelerate the performance of your mixed use applications?

HPE NVMe Mainstream Performance Mixed Use (MU) Solid State Drives are best suited for high I/O applications that require a balanced performance between reads and writes to deliver high performance and endurance for data intensive applications. NVMe MU SSDs communicate directly to applications via the PCIe bus to boost I/O bandwidth and reduce latency.

HPE NVMe Mainstream Performance MU SSDs are advanced data center drives optimized for greater performance and endurance in a cost-effective design. Designed to utilize the high bandwidth of PCIe Gen3 and PCIe Gen4 in select servers for mixed use workloads requiring outstanding IOPS per watt and cost per IOPS as an upgrade from SATA SSDs.

HPE SSDs are backed by up to 3.35 million hours of testing and qualification [1] ensuring reliable, high performing drives.

## FEATURES

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

HPE NVMe Mainstream Performance Mixed Use (MU) Solid State Drives are ideal for Big Data analytics, cloud computing, high performance compute, business intelligence, database applications and virtualization.

Achieve higher IOPS to enhance the performance of your data center.

Maintain data accuracy with full data-path error detection.

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

HPE NVMe Mainstream Performance SSDs, M.2, and M.2 Enablement Kits.

### HPE Continues to Enhance its SSD Portfolio by Offering NVMe U.3 PCIe Gen4 SSDs

HPE NVMe PCIe Gen4 U.3 SSDs deliver higher performance for server-storage solutions to better meet the challenges within high performance workloads.

HPE NVMe U.3 PCIe Gen4 SSDs are 100% backwards compatible with NVMe U.2 SSD backplanes on HPE Gen10 servers.

## Technical specifications

### HPE 3.2TB NVMe Gen4 Mainstream Performance Mixed Use SFF SCN U.3 PE8030 SSD

<b>Product Number (SKU)</b>	P19831-H21
<b>Lifetime Writes</b>	23,143
<b>Endurance DWPD (Drive Writes Per Day)</b>	3.8
<b>Read IOPS</b>	Random Read IOPS (4KiB, Q=16)=215,000 Max Random Read IOPS (4KiB)=980,000@Q256
<b>Write IOPS</b>	Random Write IOPS (4KiB, Q=16) = 310,000 Max Random Write IOPS (4KiB)=335,000@Q32
<b>Power (Watts)</b>	13.51
<b>Plug Type</b>	Hot pluggable
<b>Height</b>	15mm
<b>Minimum dimensions (H x W x D)</b>	21.92 x 22.86 x 14.61 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

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### Operational Services from HPE Pointnext Services

- [HPE Datacenter Care](#) helps modernize and simplify IT operations. Partner with an assigned account team, access technical expertise, an enhanced call experience gives you priority access, choose hardware and software support, implement proactive monitoring to help stay ahead of issues, and access HPE IT best practices and IP.
- [HPE Proactive Care](#) offers an enhanced call experience and helps reduce problems with personalized proactive reports and advice. This also includes collaborative software support for Independent Software Vendors (ISVs), (Red Hat, VMWare, Microsoft, etc.). [Read more](#)
- [HPE Foundation Care](#) helps when there is a problem and has a choice of response levels. Collaborative software support is included and provides troubleshooting help for ISVs running on your server. [Read more.](#)

### Other related services

[Defective Media Retention](#) is optional and applies only to Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

[HPE Service Credits](#) offers a menu of technical services, access additional resources, and specialist skills.

[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.

## 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.

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[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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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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