Hewlett Packard Enterprise

Data sheet

HPE 960GB NVME GEN4 MAINSTREAM PERFORMANCE READ INTENSIVE SFF SC U.3 PE8010 SSD (P19807-B21)

Server Solid State Drives

WHAT'S NEW

- HPE 960 GB, 1.92 TB, 3.84 TB, 7.68 TB NVMe Gen4 Mainstream Performance Read Intensive SFF SC U.3 PE8010 SSDs.
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OVERVIEW

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

HPE NVMe Mainstream Performance Read Intensive (RI) Solid State Drives are best suited for applications requiring a strong blend of high read IOPS, low latency and high endurance at a

strong price point. NVMe SSDs communicate directly to applications via the PCIe bus to boost I/O bandwidth and reduce latency.

HPE NVMe Mainstream Performance RI 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 workloads such as read caching, social media and bulk storage that require outstanding IOPS per watt and cost per IOPS as an upgrade path 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 Read Intensive (RI) Solid State Drives are ideal for read caching, social media, bulk storage, email and boot/swap

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 960GB NVMe Gen4 Mainstream Performance Read Intensive SFF SC U.3 PE8010 SSD

Product Number (SKU)	P19807-B21
Lifetime Writes	2,691
Endurance DWPD (Drive Writes Per Day)	1.5
Read IOPS	Random Read IOPS (4KiB, Q=16)=190,000 Max Random Read IOPS (4KiB)=520,000@Q256
Write IOPS	Random Write IOPS (4KiB, Q=16)=69,000 Max Random Write IOPS (4KiB)=69,000@Q256
Power (Watts)	9.51
Plug Type	Hot Pluggable
Height	15mm
Minimum dimensions (H x W x D)	21.92 x 22.86 x 14.61 cm
Weight	0.68 kg
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

Access expertise at every step of your IT journey with HPE Pointnext Services. Advisory Services focuses on your business outcomes and goals, to design your transformation and build a roadmap tuned to your unique challenges. Our Professional and Operational Services help speed up time-to-production and keep your IT stable and reliable.

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.

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, Reliability Demonstration Test (RDT) spec, CSI integration test spec and pilot test requirements. Test conducted in May 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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