

HPE 375GB NVMe x4 Lanes Write Intensive SFF (2.5in) SCN 3yr Wty Digitally Signed Firmware SSD (878014- K21)

Drives and Storage



What's new

- HPE 375 GB NVMe x4 Lanes Write Intensive SFF (2.5-inch), SCN, 3-year Warranty, Digitally Signed Firmware SSD.

Overview

Do you need to accelerate the performance of your data-intensive application workloads? HPE Server Write Intensive (WI) Solid State Drives (SSDs) deliver high performance and endurance while reducing power consumption for customers with applications requiring high random read and write IOPS performance. HPE Server WI SSDs offer the highest

performance for write intensive applications and typically have an endurance of <10 drive writes per day. All HPE SSDs are backed by over 3.35 million hours of testing and qualification [1] ensuring reliable, high performing drives. HPE Digitally Signed Firmware prevents unauthorized access to your data by providing the assurance that drive firmware comes from a trusted source. The self-describing icons on the HPE Smart Carrier take the guess work out of a drive's status and a "do not remove" button prevents data loss from human error. Monitor the lifespan of your SSD with HPE Smart WearGauge compatibility in management tools.

Features

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

HPE Solid State Drives are ideal for big data analytics, cloud computing, active archiving, database applications, and data warehousing.

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.

12 Gb SAS and NVMe.

Technical specifications

HPE 375GB NVMe x4 Lanes Write Intensive SFF (2.5in) SCN 3yr Wty Digitally Signed Firmware SSD

Product Number (SKU)	878014-K21
Lifetime Writes	20,500
Endurance DWPD (Drive Writes Per Day)	30
Read IOPS	Random Read IOPS (4KiB, Q=16)=585,000 Max Random Read IOPS (4KiB)=585,000@Q16
Write IOPS	Random Write IOPS (4KiB, Q=16)=550,000 Max Random Write IOPS (4KiB)=550,000@Q16
Power (Watts)	4
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	3/0/0 warranty Customer Self Repair (CSR) subject to maximum usage limitations. Maximum usage limit: This 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

HPE Pointnext leverages our breadth and depth of technical expertise and innovation to help to accelerate digital transformation. A comprehensive portfolio that includes – Advisory, Professional, and Operational Services is designed to help you evolve and grow today and into the future.

Operational Services

- **HPE Flexible Capacity** is a new consumption model to manage on-demand capacity, combining the agility and economics of public cloud with the security and performance of on-premises IT.
- **HPE Datacenter Care** offers a tailored operational support solution built on core deliverables. It includes hardware and software support, a team of experts to help personalise deliverables and share best practices, as well as optional building blocks to address specific IT and business needs.
- **HPE Proactive Care** is an integrated set of hardware and software support including an enhanced call experience with start to finish case management helping resolve incidents quickly and keeping IT reliable and stable.
- **HPE Foundation Care** helps when there is a hardware or software problem offering several response levels dependent on IT and business requirements.

Advisory Services includes design, strategy, road map, and other services to help enable the digital transformation journey, tuned to IT and business needs. Advisory Services helps customers on their journey to Hybrid IT, Big Data, and the Intelligent Edge.

Professional Services helps integrate the new solution with project management, installation and startup, relocation services, and more. We help mitigate risk to the business so there is no interruption when new technology is being integrated in the existing IT environment.

[1] HPE internal lab testing. 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 was conducted in May 2017.

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