



**Hewlett Packard**  
Enterprise

# HPE 3.84TB NVME HIGH PERFORMANCE READ INTENSIVE SFF (2.5IN) SC 3YR WTY UNIVERSAL CONNECT SSD (P16503-B21)

## Server Solid State Drives



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### WHAT'S NEW

- HPE 960 GB, 7.68 TB, 15.36 TB NVMe High Performance Read Intensive SFF (2.5-inch) SC, 3-year Warranty, Universal Connect SSDs

### OVERVIEW

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

HPE NVMe Read Intensive (RI) Solid State Drives (SSDs) are best suited for applications requiring a strong blend of high

- HPE 960 GB, 1.92 TB, 3.84 TB, 7.68 TB, 15.36 TB NVMe High Performance Read Intensive SFF (2.5-inch) SCN, 3-year Warranty, Universal Connect SSDs

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 High Performance NVMe RI SSDs provide high-performance data transfers from storage, at rates faster than SAS or SATA SSDs. Designed to utilize the high bandwidth of PCIe Gen3 and PCIe Gen4 in select servers for workloads high in reads such as read caching, web servers and boot/swap.

HPE Mainstream NVMe 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 on read intensive workloads that require outstanding IOPS per watt and cost per IOPS as an upgrade path from SATA SSDs.

## FEATURES

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

HPE NVMe Read Intensive (RI) Solid State Drives (SSDs) are ideal for read caching, social media, bulk storage, email and boot/swap

Achieve higher IOPs and lower latency 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 High Performance SSDs, HPE NVMe Mainstream SSDs, M.2 and M.2 Enablement Kits

### **HPE continues to enhance its SSD portfolio by offering U.3 Universal Connect PCIe Gen4 NVMe SSDs**

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

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



**Technical specifications****HPE 3.84TB NVMe High Performance Read Intensive SFF (2.5in) SC 3yr Wty Universal Connect SSD**

<b>Product Number (SKU)</b>	P16503-B21
<b>Lifetime Writes</b>	6,848
<b>Endurance DWPD (Drive Writes Per Day)</b>	1
<b>Read IOPS</b>	Random Read IOPS (4KiB, Q=16)=150,000 Max Random Read IOPS (4KiB)=700,000@Q128
<b>Write IOPS</b>	Random Write IOPS (4KiB, Q=16)=130,000 Max Random Write IOPS (4KiB)=150,000@Q32
<b>Power (Watts)</b>	14
<b>Plug Type</b>	Hot Pluggable
<b>Height</b>	15mm
<b>Minimum dimensions (H x W x D)</b>	12.7 x 22.86 x 17.78 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](#) provides comprehensive training designed to expand the skills of your IT staff and keep them up to speed with the latest technologies.

Consult your HPE Sales Representative or Authorized Channel Partner of choice for any additional questions and support options.

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