



# **HPE 800GB SAS 12G WRITE INTENSIVE SFF SC SS540 SSD (P21127-B21)**

## **Server Solid State Drives**



### **WHAT'S NEW**

- HPE 400 GB, 800 GB, 1.6 TB SAS 12G Write Intensive SFF (2.5-inch) SC, 3-year Warranty SSDs

### **OVERVIEW**

Do you need to accelerate the performance of your write intensive application workloads?

HPE 12Gb SAS Write Intensive (WI) Solid State drives (SSDs) deliver high performance and high endurance for customers with applications requiring high random read and write IOPS performance. SAS WI SSDs offer the highest endurance for write intensive applications and have an endurance of  $\geq 10$  drive writes per day (DWPD). HPE 12Gb SAS WI SSDs are enterprise-class SSDs and best suited for use as caching tier

drives within a tiered storage solution or mission-critical enterprise applications that require a higher percentage of writes versus reads.

## FEATURES

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

HPE 12Gb SAS Write Intensive (WI) Solid State Drives are ideal for software-defined storage cache tier, Big Data analytics and high performance compute.

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 portfolio of enhanced solutions in a wide variety of capacities.

### **Value SAS SSDs Offer Twice the Interface Speed of SATA, Significantly Improving Workload Performance**

HPE Value SAS Solid State Drives (SSDs) support full-duplex 12Gb, versus SATA SSDs at 6Gb.

Optimized for mixed use (MU) and read intensive (RI) enterprise application workloads, HPE 12Gb Value SAS SSDs allow you to do more work with fewer servers by improving and consolidating transactional database workloads.

HPE 12Gb Value SAS SSDs allow you to reduce operating costs for storing, powering and maintaining servers, as well as reducing your data center footprint.

Available in a variety of storage capacities, HPE 12Gb Value SAS SSDs are the perfect choice for supporting read intensive and mixed use applications.



Technical specifications

HPE 800GB SAS 12G Write Intensive SFF SC SS540 SSD

Product Number (SKU)	P21127-B21
Lifetime Writes	14,268
Endurance DWPD (Drive Writes Per Day)	10
Read IOPS	Random Read IOPS (4KiB, Q=16)=130,000 Max Random Read IOPS (4KiB)=210,000@Q256
Write IOPS	Random Write IOPS (4KiB, Q=16)= 120,000 Max Random Write IOPS (4KiB)=124,000@Q64
Power (Watts)	9.06
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

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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.

## HPE GREENLAKE

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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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[PSN1012844557UKEN](#), July 27, 2020.