

# HPE 480GB SATA 6G READ INTENSIVE SFF BC SELF-ENCRIPTING 5300P SSD (P42120-B21)

## Server Solid State Drives



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### WHAT'S NEW

- HPE 1.92 TB, 3.84 TB SATA 6G Read Intensive SFF (2.5-inch) SC, S4510 SSDs
- HPE 1.92 TB, 3.84 TB SATA 6G Read Intensive SFF (2.5-inch) BC, S4510 SSDs
- HPE 960 GB SATA 6G Read Intensive LFF (3.5-inch) Low Profile Converter (LPC), Multi Vendor S4510 SSDs
- HPE 480 GB SATA 6G Read Intensive LFF

### OVERVIEW

Do you need to accelerate the performance and deliver enterprise features at an affordable price?

HPE SATA Read Intensive (RI) Solid State Drives (SSDs) deliver enterprise features at an affordable price. HPE SATA RI SSDs deliver great performance for workloads high in reads such as boot/swap, web servers, and read caching. HPE SSDs are backed by over 3.35 million hours of testing and

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(3.5-inch) Smart Carrier Converter (SCC),  
Multi Vendor S4510 SSDs

- HPE 240 GB SATA 6G Read Intensive SFF  
(2.5-inch) Raw drive (RW), Multi Vendor  
S4510 SSDs

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. You can also monitor the lifespan of your SSD with HPE SmartSSD Wear Gauge to determine if any drives are at risk of failure.

## FEATURES

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

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

HPE SSDs achieve higher IOPs to enhance the performance of your data center.

HPE SSDs maintain data accuracy with full data-path error detection.

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

Support 6 Gb/s SATA

### **HPE Multi Vendor SSDs Offer Longer SKU Lifecycles and Immediate Availability on SATA SSDs**

HPE enhanced its extensive SSD portfolio with a Multi Vendor SSD SKU offering that allows for extended SKU lifecycles, immediately available supply and preferably priced SATA SSDs.

HPE Multi Vendor SSD SKU offering ensures the SATA SSD selected, delivers the minimum level of performance published, or better.

Hewlett Packard Enterprise Solid State Drives are rigorously tested 3.35 million hours in various environments to achieve the quality standards you need.



**Technical specifications****HPE 480GB SATA 6G Read Intensive SFF BC Self-encrypting 5300P SSD**

<b>Product Number</b>	P42120-B21
<b>Lifetime Writes</b>	1,324
<b>Endurance DWPD (Drive Writes Per Day)</b>	1.5
<b>Read IOPS</b>	Random Read IOPS (4KiB, Q=16)=65,000 Max Random Read IOPS (4KiB)=75,000@Q256
<b>Write IOPS</b>	Random Write IOPS (4KiB, Q=16)=38,500 Max Random Write IOPS (4KiB)=4,000@Q4
<b>Power (Watts)</b>	2.61
<b>Plug Type</b>	Hot Pluggable
<b>Height</b>	7 mm
<b>Product Dimensions (metric)</b>	21.92 x 22.86 x 14.61 cm
<b>Weight</b>	0.68 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 SERVICES

[HPE Pointnext Services](#) brings together technology and expertise to help you drive your business forward and prepare for whatever is next.

### Operational Services from HPE Pointnext Services

[HPE Pointnext Tech Care](#) provides fast access to product-specific experts, an AI-driven digital experience, and general technical guidance to help enable constant innovation. We have reimagined IT support from the ground up to deliver faster answers and greater value. By continuously searching for better ways to do things—as opposed to just fixing things that break—HPE Pointnext Tech Care helps you focus on achieving your business goals.

[HPE Pointnext Complete Care](#) is a modular, edge-to-cloud IT environment service that provides a holistic approach to optimizing your entire IT environment, and achieving agreed upon IT outcomes and business goals through a personalized and customer-centric experience. All delivered by an assigned team of HPE Pointnext Services experts.

**HPE Integration and Performance Services** help you customize your experience at any stage of your product lifecycle with a menu of services based on individual needs, workloads, and technologies.

- Advise, design, and transform
- Deploy
- Integrate and migrate
- Operate and improve
- Financial Services
- Greenlake Management Services
- Retire and sanitize
- IT Training and personal development

### Other related services

[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.

**Defective Media Retention** is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

## HPE GREENLAKE

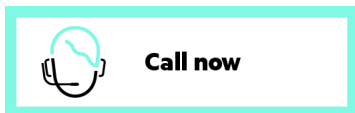
[HPE Greenlake](#) is HPE's market-leading IT as-a-Service offering that brings the cloud experience to apps and data everywhere – data centers, multi-clouds, and edges – with one unified operating model. HPE GreenLake delivers public cloud services and infrastructure for workloads on premises, fully 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. 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 2017.

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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.

Image may differ from the actual product  
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