



# **HPE SMART ARRAY P204I-C SR GEN10 (4 INTERNAL LANES/1GB CACHE) 12G SAS MODULAR CONTROLLER (804424-B21)**

**Smart Array Controllers and Smart Host  
Bus Adapters**



## **OVERVIEW**

Does your business need a controller to give you increased performance when connecting to internal drives on the HPE Synergy 480 Gen10 Compute Module?

The HPE Smart Array P204i-c SR Gen10 Controller, supporting 12 Gb/s SAS and PCIe 3.0, provides enterprise-class storage performance, reliability, security and efficiency needed to address your evolving data storage needs. This controller has four internal SAS lanes, allowing connection to SAS or SATA drives, supports Mixed Mode operations of RAID and HBA simultaneously, and offers encryption for data-at-rest on any drive. The Smart Array P204i-c SR Gen10 Controller is ideal for maximizing performance while supporting advanced RAID levels with 1 GB Flash-Backed Write Cache (FBWC).

The HPE Smart Array Gen10 controllers are supported by the HPE Smart Storage Battery, which supports multiple devices and is sold separately.

## FEATURES

### Increased Performance for Faster Data Insights

The HPE Smart Array P204i-c SR Gen10 Controller is an enterprise-class controller that increases performance in messaging, database, or general server applications and delivers 12 Gb/s SAS connectivity on the HPE Synergy 480 Gen10 Compute Module when connected to 12 Gb/s internal storage devices.

Increases performance with 1 GB Flash-Backed Write Cache and reduces latency in write-intensive applications that require heavy logging such as databases.

Enhances performance in storage environments where data is read repeatedly from a large number of SSDs by using HPE SSD Smart Path to create a faster I/O path between the controller and SSD.

### Built-in Reliability and Security

The HPE Smart Array P204i-c SR Gen10 Controller protects data-at-rest on any drive attached to the controller with HPE Smart Array SR Secure Encryption (optional license).

Complies with regulations for sensitive data, such as HIPAA and Sarbanes-Oxley with HPE Smart Array SR Secure Encryption—IUT with expected FIPS 140-2 Level 1 validation complete in 2018.

Preserve data integrity with HPE SmartSSD Wear Gauge, which alerts you to potential drive issues before a drive fails.

Long-term data retention with 1 GB Flash-Backed Write Cache for improved data reliability.

### Improved Efficiency and Storage Management

The HPE Smart Array P204i-c SR Gen10 Controller has increased flexibility with Mixed Mode which operates in RAID and HBA simultaneously.

Rapidly configure simple RAID volumes on unconfigured servers with the UEFI



configuration tool, which also facilitates scripting support to configure an array via iLO through RESTful interface.

## Technical specifications

### HPE Smart Array P204i-c SR Gen10 (4 Internal Lanes/1GB Cache) 12G SAS Modular Controller

<b>Product Number (SKU)</b>	804424-B21
<b>Transfer rate</b>	12Gb/s SAS per lane 6Gb/s SATA per lane PCI Express 3.0 x8 lane width
<b>Form factor</b>	Type-c modular controller
<b>Ports</b>	Internal: 4 SAS lanes
<b>Cache</b>	1 GB Flash-Backed Write Cache
<b>RAID levels</b>	0, 1, 5, 6, 10, 1 ADM
<b>Servers supported</b>	HPE Synergy 480 Gen10 Compute Module
<b>Additional features</b>	HPE Smart Array SR Secure Encryption (optional license)
<b>Certifications</b>	FIPS 140-2 Level 1 Implementation Under Test with expected validation in 2018
<b>Warranty</b>	The warranty for this device is 3 years parts only.



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- **[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.

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For additional technical information, available models and options, please reference the [QuickSpecs](#)

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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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