



HPE SMART ARRAY P408E-M SR GEN10 (8 EXTERNAL LANES/2GB CACHE) 12G SAS MEZZANINE CONTROLLER (804381-B21)

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



OVERVIEW

Are you looking for an enterprise-level controller to maximize performance and storage capacity and to connect to externally attached drives? The HPE Smart Array P408e-m 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. It has eight external SAS lanes, allowing connection to externally attached SAS or SATA drives. This controller supports Mixed Mode operations of RAID and HBA simultaneously, and offers encryption for data-at rest on any drive. 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 P408e-m SR Gen10 Controller increases performance with 2 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.

Accelerate access to data by up to 4X in HDD environments by caching hot data onto SSDs with HPE Smart Array SR SmartCache (optional license).

Built-in Reliability and Security

The HPE Smart Array P408e-m 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 2 GB Flash-Backed Write Cache for improved data reliability.

Improved Efficiency and Storage Management

The HPE Smart Array P408e-m SR Gen10 Controller has increased flexibility with Mixed Mode which operates in RAID and HBA simultaneously.

Rapidly configure simple RAID volumes on servers with the UEFI storage configuration tool, which also facilitates scripting support to configure an array via iLO through RESTful interface.



Technical specifications**HPE Smart Array P408e-m SR Gen10 (8 External Lanes/2GB Cache) 12G SAS Mezzanine Controller**

Product Number (SKU)	804381-B21
Transfer rate	12 Gb/s SAS per lane 6 Gb/s SATA per lane PCI Express 3.0 x8 lane width
Form factor	Mezzanine controller
Ports	External: 8 SAS lanes
Cache	2 GB Flash-Backed Write Cache
RAID levels	0, 1, 5, 6, 10, 50, 60, 1 ADM, 10 ADM
Servers supported	HPE ProLiant BL460c Gen10 Server Blade
Additional features	HPE Smart Array SR Secure Encryption (optional license) HPE Smart Array SR SmartCache (optional license)
Supported disk enclosure	HPE MSA 1040 SAN Storage HPE MSA 1050 SAN Storage HPE MSA 2040 SAN Storage HPE MSA 2050 SAN Storage
Certifications	FIPS 140-2 Level 1 Implementation Under Test with expected validation in 2018
Warranty	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.

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

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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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