

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

Data sheet Page 2

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.

Data sheet Page 3

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.

HPE POINTNEXT SERVICES

Most, if not all IT organizations are on a digital transformation journey — each at a different stage. With over 11,000 IT projects conducted and 1.4 million customer interactions each year, HPE Pointnext Services' 15,000+ experts and its vast ecosystem of solution partners and channel partners are uniquely able to help you at every stage of your digital transformation. We bring together technology and expertise to help you drive your business forward and prepare for whatever is next.

Advisory and Professional Services help you accelerate your digital transformation. Operational Services help you remove complexity and respond rapidly to business demands.

Operational Services from HPE Pointnext Services

<u>HPE Pointnext Tech Care</u> provides fast access to product-specific experts, an Al-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 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.

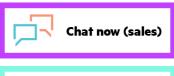
HPE Education Services delivers a comprehensive range of services to support your people as they expand their skills required for a digital transformation.

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

For additional technical information, available models and options, please reference the QuickSpecs

Make the right purchase decision. Contact our presales specialists.

Find a partner





Buy now	
Share now	$\overline{-}$
Get updates	



HPE GREENLAKE

<u>HPE Greenlake</u> 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.

© Copyright 2021 Hewlett Packard Enterprise Development LP. The information contained herein is subject to change without notice. The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

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 PSN1009448132CZEN, August, 2021.