



HPE MR416I-P GEN10 PLUS X16 LANES 4GB CACHE NVME/SAS 12G CONTROLLER (P06367- B21)

Storage RAID Controllers



OVERVIEW

Does your data center, cloud, or HPC environment require increased storage capacity protection, flexibility, and performance for today's application demands?

Data center, cloud, and high-performance computing environments require large amounts of storage capacity, that

provide the protection, flexibility, and performance today's applications demand. The Broadcom MegaRAID Storage Controllers for HPE Gen10 Plus offer 12 Gb/s SAS/SATA/PCIe (NVMe) Gen4 Tri-Mode support with 16 and 8 internal ports to address these needs by delivering more performance and RAID data protection for high-end server storage applications. The MegaRAID controllers are the first RAID adapters to offer both PCIe Gen4 host and PCIe Gen4 storage interfaces which enables high bandwidth and more IOPS. Also, the Tri-Mode SerDes technology enables operation of NVMe, SAS, or SATA devices in a single drive bay operating in all modes concurrently, seamlessly negotiating between speeds and protocols.

FEATURES

Powerful Performance

Broadcom MegaRAID Storage Controllers for HPE Gen10 Plus feature Broadcom MR416i and Broadcom MR216i controllers with impressive performance including up to 13,700 Mbs of bandwidth, 3M random read IOPS, and 240K RAID5 random write IOPS.

2nd Generation Tri-Mode SerDes

Broadcom MegaRAID Storage Controllers for HPE Gen10 Plus is enabled with SerDes for exceptional support of NVMe4/SAS3/SATA protocols.

With Tri-Mode support, achieve the scalability and flexibility you need for shifting business environments.

Enhanced Security

Broadcom MegaRAID Storage Controllers for HPE Gen10 Plus is built with the HPE Silicon Root of Trust for firmware authentication and support for self-encrypting drives to help ensure protection for data at rest and prevention of malware.

Software Supported

Broadcom MegaRAID Storage Controllers for HPE Gen10 Plus support all major OS's including but not limited to Windows, Linux®, and VMware®; full tool suite including command line interface, web-based management, and out-of-band management support.



Technical specifications

HPE MR416i-p Gen10 Plus x16 Lanes 4GB Cache
NVMe/SAS 12G Controller

Product Number	P06367-B21
Transfer rate	PCIe Gen4 host / Gen4 NVMe / Gen 3 SAS/SATA
Form factor	Standard HH/HL PCIe add in card
Ports	x8 host / x16 internal tri-mode
Cache	4 GB
RAID levels	0, 1, 5, 6, 10, 50, 60
Servers supported	See Broadcom MegaRAID Storage Controllers for HPE Gen10 Plus QuickSpecs for more detail
Additional features	See Broadcom MegaRAID Storage Controllers for HPE Gen10 Plus QuickSpecs
Certifications	See Broadcom MegaRAID Storage Controllers for HPE Gen10 Plus QuickSpecs
Product Dimensions (metric)	15.7 cm
Weight	0.146 kg
Warranty	The warranty for this device is 3-years parts only.



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

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[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](#).

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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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