



HPE MR416I-A X16 LANES 4GB CACHE NVME/SAS 12G GEN10 PLUS CONTROLLER (P26279- 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-a x16 Lanes 4GB Cache NVMe/SAS
12G Gen10 Plus Controller**

Product Number (SKU)	P26279-B21
Transfer rate	PCIe Gen4 host / Gen4 NVMe / Gen 3 SAS/SATA
Form factor	Type-a Modular Controller
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)	11.2 cm
Weight	0.129 kg
Warranty	The warranty for this device is 3-years parts only.



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

[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.

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- **[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](#)

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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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[PSN1013314980CZEN](#), August, 2021.