HPE GreenLake

HPE Compute MR Gen11 Controllers

HPE MR216i-p Gen11 x16 Lanes without Cache PCI SPDM Plug-in Storage Controller (P47785-B21)

What's new

- Standard PCI HH/HL and OCP NIC 3.0 form factors.

- DMTF Security Protection Data Model (SPDM) supports certificate-based authentication with HPE iLO6.

- Hardware Root of Trust (HWRoT) protects against malicious firmware.

- MRSA, StorCLI, UEFI, and Redfish Management.

Overview

Do you need a versatile, simplified, and flexible choice for your data centers? HPE Compute MR Gen11 Controllers are expansive and agile PCIe Gen4.0 storage controllers based on Broadcom MegaRAID® technology that deliver quality, performance, and security for mission-critical applications. The HPE MR416i-o / HPE MR416i-p Gen11 Controllers are ideal for all data center environments where RAID is applicable offering reduced rebuild times, high-bandwidth, and 240K RAID5 Random Write IOPS. The HPE MR416i-o / HPE MR416i-p Gen11 Controllers are ideal for all virtualized environments where HBA / pass-through mode is applicable offering high bandwidth and 3 million Random Write IOPS. HPE Compute MR Gen11 Controllers offer solutions for multiple workflows across multiple applications to deliver customer satisfaction.

Features

Powerful Performance

HPE Compute MR Gen11 Controllers offer up to 13.7GBs of bandwidth, and 8 PCIe Gen4.0 host lanes.

HPE Compute MR Gen11 Controllers offer 3M Random Read IOPS, and 240K RAID5 Random Write IOPS.

Enhanced Security

HPE Compute MR Gen11 Controllers are built with the HPE Silicon Root of Trust for firmware authentication and support for self-encrypting drives to help protect data at rest and prevent of malware.

HPE Compute MR Gen11 Controllers now offer DMTF SPDM supports certificate-based authentication with HPE iLO6.

Software Supported

HPE Compute MR Gen11 Controllers support full tool suite including command line interface, web-based management, and out-of-band management support.

Supported operating systems include, but are not limited to Windows, Linux®, and VMware®.

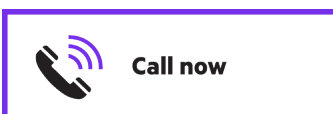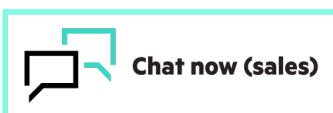| Technical specifications	HPE MR216i-p Gen11 x16 Lanes without Cache PCI SPDM Plug-in Storage Controller
Product Number	P47785-B21
Form factor	(MR216i-p / MR416i-p) Standard PCI HH/HL (MR216i-o / MR416i-o / MR408i-o) OCP NIC 3.0 form-factor
Ports	MR216i-o = 2x8 LP SlimSAS MR216i-p = 2x8 SlimSAS MR408i-o = 1x8 LP SlimSAS MR416i-o = 2x8 LP SlimSAS MR416i-p = 2x8 SlimSAS
Cache	MR216i-o = None MR216i-p = None MR408i-o = 4GB MR416i-o = 8GB MR416i-p = 8GB
RAID levels	(MR416i-o / MR416i-p/MR408i-o) – 0, 1, 5, 6, 10, 50, 60 (MR216i-o / MR216i-p) – 0, 1, 10
Servers supported	Refer to platform QuickSpecs to see controller support.
Certifications	Refer to HPE Compute MR Gen11 Controllers QuickSpecs
Secure encrypted drives	Supported
Storage protocol	6G SATA, 12G SAS, 16G NVMe
Storage management	MRSA, StorCLI, UEFI, and Redfish Management
Warranty	The warranty for this device is 3-years parts only.

HPE Services

No matter where you are in your transformation journey, you can count on HPE Services to deliver the expertise you need when, where and how you need it. From strategy and planning to deployment, ongoing operations and beyond, our experts can help you realize your digital ambitions.

Consulting services

Experts can help you map out your path to hybrid cloud and optimize your operations.

Managed services

HPE runs your IT operations, giving you unified control, so can focus on innovation.

Operational services

Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources.

- HPE Complete Care Service: a modular service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals. All delivered by an assigned team of HPE experts.

- HPE Tech Care Service: the operational service experience for HPE products. The service provides access to product specific experts, an AI driven digital experience, and general technical guidance to help reduce risk and search for ways to do things better.

Lifecycle Services

Address your specific IT deployment project needs with tailored project management and deployment services.

HPE Education Services

Training and certification designed for IT and business professionals across all industries. Create learning paths to expand proficiency in a specific subject. Schedule training in a way that works best for your business with flexible continuous learning options.

The Defective Media Retention (DMR) service feature option applies only to Disk or eligible SSD/Flash Drives replaced by Hewlett Packard Enterprise due to malfunction. Comprehensive Defective Material Retention (CDMR) allows you to keep all data retentive components.

HPE GreenLake

HPE GreenLake edge-to-cloud platform is HPE's market-leading 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, 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.

Explore **HPE GreenLake**

Make the right purchase decision. Contact our presales specialists.

Find a partner

Chat now (sales)

Call now

Share now

Get updates

Hewlett Packard Enterprise