



Hewlett Packard
Enterprise

HPE SMART ARRAY SR SMARTCACHE

Server Management Software



WHAT'S NEW

- SmartCache is now available for HPE ProLiant Gen10 servers and HPE Synergy Gen10 compute modules with HPE Smart Array P408i-a, P408i-p, P408e-p, P408e-m, P416ie-m, and P816i-a Gen10 controllers.

OVERVIEW

Do you need to increase the performance of your storage system? HPE Smart Array SR SmartCache is a controller-based, caching solution in a DAS environment that caches the most frequently accessed data ("hot" data) onto lower latency Solid State Drives (SSDs) to dynamically accelerate application workloads. HPE SmartCache is hosted on HPE Smart Array Controllers and can be enabled on HPE ProLiant Gen10, Gen9, and Gen8 servers with Smart Array P-class controllers with 1 GB or larger Flash-Backed Write Cache (FBWC). SmartCache is deployed and managed through the same management tool for HPE Smart Arrays—HPE Smart Storage Administrator (HPE SSA).

FEATURES

Workload Acceleration and Operational Efficiency for Applications

The HPE Smart Array SR SmartCache accelerates performance of applications up to four times by caching the “hot” data on solid state drives (SSDs).

Improves operational efficiency by utilizing your existing HPE ProLiant Gen10, Gen9, and Gen8 server array controllers.

Allows you to introduce SSD technology into server configurations at a controlled pace while providing application acceleration.

Supports read and Write-Backed caching on HPE ProLiant Gen10 and Gen9 Servers and read and Write-Through caching on HPE ProLiant Gen8 Servers.

Provides data protection to the data on Cache Volume (SSDs) by supporting RAID 0 on Gen8 Servers and RAID 0, 1, 10 and 5 on Gen9 and Gen10 servers. RAID 5 will be supported only with Write-Backed caching policy.

Unified Manageability and Simplicity in the Data Center

The HPE Smart Array SR SmartCache enables unified management through the HPE Smart Storage Administrator or HPE Array Configuration Utility.

Simplifies deployment by seamlessly integrating into your data center without the need for any application or operating system changes.

Available on Gen10, Gen9, and Gen8 ProLiant Servers

The HPE Smart Array SR SmartCache can be enabled on HPE ProLiant Gen10 servers and HPE Synergy Gen10 compute modules with HPE Smart Array P408i-a, P408i-p, P408e-p, P408e-m, P416ie-m, and P816i-a Gen10 controllers.

It can be enabled on HPE ProLiant Gen9 servers with HPE Smart Array P440, P440ar, P441, P542D, P741m, P840, P840ar, and P841 controllers.

It can be enabled on HPE ProLiant Gen8 servers with HPE Smart Array P420, P421, P430, P431, P721m, P731m, P822, and P830 controllers.

One license is required for every server to be deployed and it requires activation via HPE Smart Storage Administrator.

The license can be delivered via physical shipment or electronically with an activation key for a single server, or an activation key for multiple license for mass deployment.



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

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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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- 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.

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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 [PSN5364342WWEN](#), September, 2022.