

Overview

HPE Synergy D3940 Storage Module

The HPE Synergy D3940 Storage Module is a directed attached storage module with 40 Small Form Factor (SFF) drive bays designed for use in HPE 12000 Synergy frames. Through the HPE Synergy 12Gb SAS Connection Module it provides composable storage for up to 10 compute modules in a single frame. Synergy storage is optimized for use as either a direct attached storage array or as software-defined storage using HPE StoreVirtual VSA or similar solutions.

HPE Synergy is a single infrastructure of physical and virtual pools of compute, storage, and fabric resources, and a single management interface that allows IT to instantly assemble and re-assemble resources in any configuration. As the foundation for the New Style of Business infrastructure, HPE Synergy eliminates hardware and operational complexity so IT can precisely deliver infrastructure to applications faster and with greater flexibility.

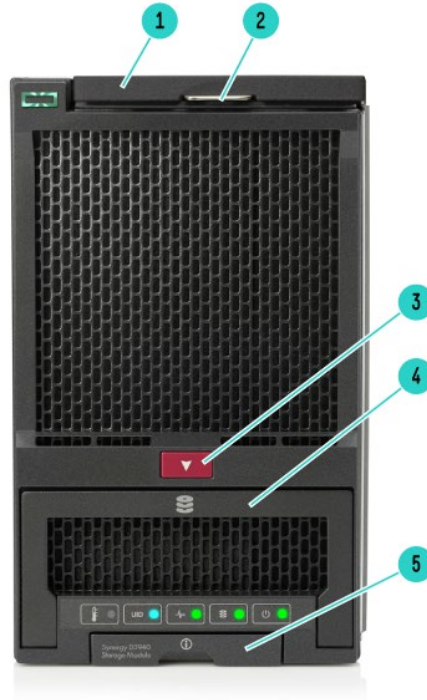
Synergy storage enables a variety of workloads by permitting multiple drive types to be configured in the same storage module. HPE Synergy D3940 Storage Modules support a family of 12G SAS or 6G *SATA HDD and SSD Smart Drives. Storage modules connect to compute modules within a frame through the Synergy 12 Gb SAS Connection Module. Any number of drive bays in a storage module can be composed with any compute module containing a Smart Array controller connected to the SAS fabric, allowing for efficient utilization of available drives. Synergy storage can scale to 200 SFF drives with five storage modules in a single HPE Synergy 12000 Frame. Adding a second I/O adapter and second SAS connection module provides a redundant path to SAS drives inside the Storage Module, ensuring high availability. The modular design of the Synergy D3940 Storage Module allows it to slide out from the frame to service drives or I/O adapters without interrupting operation of other drives within the module. Additionally, the Synergy D3940 Storage Module is optimized for solid state drives using a high-performance SAS connection with sixteen 12 Gb/s SAS lanes. This allows a single Synergy storage module to deliver as much as 8 times the bandwidth of other JBOD options reaching up to 2M IOPs.

The HPE Synergy D3940 Storage Module provides a large, efficient pool of storage resources which can be allocated to meet changing server workloads and business needs. Synergy Storage enables industry leading bandwidths and performance. Within the frame, an administrator is able to create virtual JBODs or virtual drives for any compute module, remap connections, or change personalities; all done with stored profiles. Together, the D3940 Storage Module and 12Gb SAS Connection Module fully integrate with other HPE Synergy hardware and software components and are managed and configured with HPE Synergy Composer. The D3940 Storage Module provides leading storage density and flexibility to configure storage to meet business needs. A modular design simplifies serviceability and can be configured with dual HPE Synergy 12Gb SAS Flexible Storage I/O Adapters for high availability

HPE StoreVirtual VSA software provides advanced data services giving you the benefits and resiliency of shared storage within the enclosure without purchasing additional storage hardware. The Synergy storage module provides a flexible, large capacity platform to support multiple clustered VSA nodes and creates a virtual array which scales as storage needs evolve while its built-in high availability and disaster recovery features ensure business continuity for the entire virtual environment. Optimized for virtualized VMware, Microsoft Hyper-V, and Linux KVM environments, HPE StoreVirtual VSA transforms your direct-attached storage into a scalable, composable, shared storage array without the cost and complexity traditionally associated with dedicated storage networks. The convergence of HPE StoreVirtual VSA software and HPE Synergy provides a great value to any type or size of business by focusing on cost optimization and maximum flexibility within the data center.

Notes: SATA drives (and some Value SAS drives) have a single port limitation, making them more vulnerable to failure than dual port SAS drives. **HPE RECOMMENDS DUAL PORT SAS drives for the HPE Synergy D3940 Storage Module.** However, not all workloads require high availability, so we will continue to offer the less expensive SATA drives and the value SAS drives.

Overview

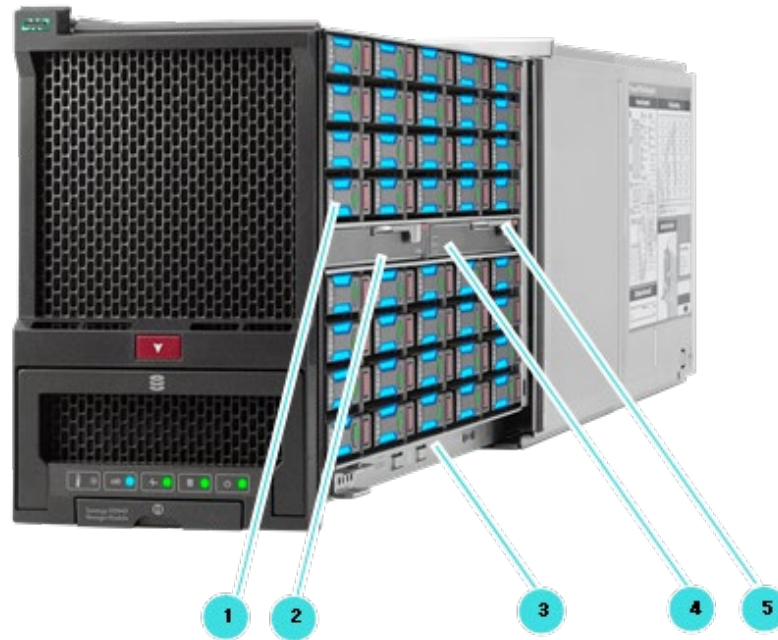


Synergy D3940 Storage Module Components

- | | |
|--|----------------------------|
| 1. Storage Module Handle | 4. Drive Drawer Handle |
| 2. Storage Module Handle Release Latch | 5. Product Information Tag |
| 3. Drive Drawer Handle Release Latch | |



Overview



Storage Module Internal Elements

1. Small Form Factor (SFF) drive carrier
2. D3940 I/O Adapter 1
3. Cable management rail
4. D3940 I/O Adapter 2
5. I/O Adapter release handle



Overview



Synergy D3940 Storage Module LED Panel Information

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. Drawer Status <ol style="list-style-type: none"> a. Solid Green – Drawer is closed b. Flashing Green – Drawer is open c. Flashing Amber – Thermal warning, close the drive drawer 2. UID <ol style="list-style-type: none"> a. Solid Blue – One or more drives are being located. b. Flashing Blue – Firmware flash is in progress c. Off – No drives are being located 3. Health Status | <ol style="list-style-type: none"> 4. Drive Status <ol style="list-style-type: none"> a. Solid Amber – One or more drives failed b. Flashing Amber – One or more drives are predicted to fail c. Flashing Green – One or more drives are rebuilding or transforming d. Solid Green – One or more drives are members of a logical drive e. Off – No drives are configured by a RAID controller. 5. Drawer Power |
|---|--|



Standard Features

Key Features

Features of the D3940 include:

- Holds up to forty (40) hot plug small form factor (SFF) drives. in a half-height double-width storage module designed for HPE Synergy frames
- Support for 12G and 6G SAS and *SATA hard disk drives (HDDs) and solid state drives (SSDs)
- Simple configuration and setup with HPE Synergy Composer
- Easy to maintain and troubleshoot with industry standard management tools including HPE System Insight Manager
- Optimized for use with HPE StoreVirtual VSA software to create a robust shared storage environment inside and across Synergy Frames
- Protected by Hewlett Packard Enterprise Services and a worldwide network of Hewlett Packard Enterprise Authorized Channel Partners. Three-year parts limited global warranty. Certain restrictions and exclusions apply

Notes: SATA drives (and some Value SAS drives) have a single port limitation, making them more vulnerable to failure than dual port SAS drives. HPE RECOMMENDS DUAL PORT SAS drives for the HPE Synergy D3940 Storage Module. However, not all workloads require high availability, so we will continue to offer the less expensive SATA drives and the value SAS drives.

Mix and Match of Drive Types

HPE Synergy D3940 Storage Module supports mixing of different drive types (SAS/*SATA, SSD/HDD) and sizes in a single enclosure. Maximum storage capacity will vary depending upon drive size and RAID type (if any) applied. Currently the maximum is 40 drives x 15.3TB SAS RI SSD = 612TB per storage module. With 5 storage modules in a frame, there is 3PB of direct-attach storage potential per frame.

Notes:

- A composed logical array can be created across only one drive type.
- SATA drives (and some Value SAS drives) have a single port limitation, making them more vulnerable to failure than dual port SAS drives. HPE RECOMMENDS DUAL PORT SAS drives for the HPE Synergy D3940 Storage Module. However, not all workloads require high availability, so we will continue to offer the less expensive SATA drives and the value SAS drives.

Universal hot plug Drive

Small Form Factor (SFF) drives in Smart Carriers are for use across multiple HPE ProLiant servers, disk enclosures and storage systems. With compatibility across many enterprise platforms, you are free to deploy and re-deploy these drives to quickly deliver increased storage capacity, migrate data between systems, and easily manage spare drives.

LED Indicators

Front panel LEDs indicate drive activity and system health status.

Notes: See diagram above for LED indicator locations and codes

Density

The HPE Synergy D3940 Storage Module can hold up to forty SFF drives and occupies two half height bays in the HPE Synergy 12000 Frame, with each frame supporting up to five D3940 Storage Modules. Not including local drives in compute modules, this offers a potential storage density of up to 20 SFF drives per RU.

Fault Tolerance

The HPE Synergy D3940 Storage Module can be configured with two I/O adapters per module along with dual HPE Synergy 12Gb SAS Connection Modules in the frame for failover. The HPE Synergy 12000 Frame includes hot-swappable redundant power and cooling components to ensure the availability of the operating environment.

Manageability

The HPE Synergy D3940 Storage Module delivers fluid pools of storage resources to be composed, deployed and provisioned simply and quickly within a composable infrastructure environment. Deployment via templates and profiles and ongoing management is done through the Synergy Composer and HPE OneView version 3.0 and later.



Standard Features

Operating Systems

As supported by HPE Synergy Compute Modules

Notes: For more information on The Hewlett Packard Enterprise Certified and Supported ProLiant Servers and Compute Modules for OS and Virtualization Software and latest listing of software drivers available for your server, please visit our Support Matrix at: <http://www.hpe.com/info/ossupport>

Optional: Software-Defined Storage

Simplify and lower the cost of storage virtualization. Create a virtual array within your Synergy Frame, manage it as a single pool of shared storage capacity, and easily scale it in-frame or between Synergy frames to match your evolving needs.

<https://www.hpe.com/us/en/products/storage>

For HPE StoreVirtual VSA QuickSpecs please visit: <https://www.hpe.com/psnow/doc/c04111621>

HPE Secure Encryption

HPE Secure Encryption is a Smart Array controller-based data encryption solution for Synergy Compute Modules that protects sensitive, mission critical data. This is an enterprise-class encryption solution for data at rest on any bulk storage attached (with the exception of tape or external arrays such as the MSA2040 or P2000sa G3) to the supported HPE Smart Array P-family of controllers including data on the cache memory of the controller. The solution is available for both local and remote key management mode deployments.

Local Key Management Mode is focused on single compute module deployment where there is one Primary key per controller that is managed by the user. All volumes still have their own unique key(s) for data encryption.

Remote Key Management Mode is for enterprise-wide deployments and requires HPE Integrated Lights Out (iLO) Advanced or Scale Out editions v 1.40 or later and HPE Enterprise Secure Key Manager (ESKM) 3.1 or any later release. The HPE ESKM manages all the encryption deployments from just a few compute modules to thousands of compute modules and 2 million keys per HPE ESKM 3.1 cluster.

Notes: Secure Encryption is an optional feature of HPE Smart Array Controllers requiring a separate license. For more information please visit: <http://www.hpe.com/servers/secureencryption>

HPE SmartCache

The optional HPE SmartCache feature is a controller-based read and write caching solution in a DAS environment that caches the most frequently accessed data ("hot" data) onto lower latency SSDs to dynamically accelerate application workloads. The HPE SmartCache architecture is flexible and supports any HPE Synergy supported HDD for bulk storage and any HPE Synergy supported SSD as an accelerator.

HPE SmartCache is deployed and managed using the HPE Smart Storage Administrator (HPE SSA). The basic HPE SmartCache architecture is comprised of the following three elements:

- Bulk storage: The first element is the bulk storage device, which is any supported HDD attached to the HPE Smart Array controller.
- Accelerator: The second element, the accelerator, is a faster/lower latency SSD device that caches data.
- Metadata: The final element is metadata, information held in the FBWC that maps the location of information residing on the accelerator and bulk storage devices.

Notes: SmartCache is an optional feature of HPE Smart Array controllers requiring a separate license. For more information please visit: <http://www.hpe.com/servers/smartcache>



Service and Support

HPE Services

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

<https://www.hpe.com/services>

Consulting Services

No matter where you are in your journey to hybrid cloud, experts can help you map out your next steps. From determining what workloads should live where, to handling governance and compliance, to managing costs, our experts can help you optimize your operations.

<https://www.hpe.com/services/consulting>

HPE Managed Services

HPE runs your IT operations, providing services that monitor, operate, and optimize your infrastructure and applications, delivered consistently and globally to give you unified control and let you focus on innovation.

[HPE Managed Services | HPE](#)

Operational services

Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources. Meet service-level targets and business objectives with features designed to drive better business outcomes.

<https://www.hpe.com/services/operational>

HPE Complete Care Service

HPE Complete Care Service is a modular, edge-to-cloud IT environment service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals through a personalized experience. All delivered by an assigned team of HPE Services experts. HPE Complete Care Service provides:

- A complete coverage approach -- edge to cloud
- An assigned HPE team
- Modular and fully personalized engagement
- Enhanced Incident Management experience with priority access
- Digitally enabled and AI driven customer experience

<https://www.hpe.com/services/complecare>

HPE Tech Care Service

HPE Tech Care Service is the operational support service experience for HPE products. The service goes beyond traditional support by providing access to product specific experts, an AI driven digital experience, and general technical guidance to not only reduce risk but constantly search for ways to do things better. HPE Tech Care Service delivers a customer-centric, AI driven, and digitally enabled customer experience to move your business forward. HPE Tech Care Service is available in three response levels. Basic, which provides 9x5 business hour availability and a 2-hour response time. Essential which provides a 15-minute response time 24x7 for most enterprise level customers, and Critical which includes a 6-hour repair commitment where available and outage management response for severity 1 incidents.

<https://www.hpe.com/services/techcare>



Service and Support

HPE Lifecycle Services

HPE Lifecycle Services provide a variety of options to help maintain your HPE systems and solutions at all stages of the product lifecycle. A few popular examples include:

- Lifecycle Install and Startup Services: Various levels for physical installation and power on, remote access setup, installation and startup, and enhanced installation services with the operating system.
- HPE Firmware Update Analysis Service: Recommendations for firmware revision levels for selected HPE products, taking into account the relevant revision dependencies within your IT environment.
- HPE Firmware Update Implementation Service: Implementation of firmware updates for selected HPE server, storage, and solution products, taking into account the relevant revision dependencies within your IT environment.
- Implementation assistance services: Highly trained technical service specialists to assist you with a variety of activities, ranging from design, implementation, and platform deployment to consolidation, migration, project management, and onsite technical forums.
- HPE Service Credits: Access to prepaid services for flexibility to choose from a variety of specialized service activities, including assessments, performance maintenance reviews, firmware management, professional services, and operational best practices.

Notes: To review the list of Lifecycle Services available for your product go to:

<https://www.hpe.com/services/lifecycle>

For a list of the most frequently purchased services using service credits, see the [HPE Service Credits Menu](#)

Other Related Services from HPE Services:

HPE Education Services

Training and certification designed for IT and business professionals across all industries. Broad catalogue of course offerings to expand skills and proficiencies in topics ranging from cloud and cybersecurity to AI and DevOps. 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.

<https://www.hpe.com/services/training>

Defective Media Retention

An option available with HPE Complete Care Service and HPE Tech Care Service and applies only to Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

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

Parts and Materials

HPE will provide HPE-supported replacement parts and materials necessary to maintain the covered hardware product in operating condition, including parts and materials for available and recommended engineering improvements.

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.

How to Purchase Services

Services are sold by Hewlett Packard Enterprise and Hewlett Packard Enterprise Authorized Service Partners:

- Services for customers purchasing from HPE or an enterprise reseller are quoted using HPE order configuration tools.
- Customers purchasing from a commercial reseller can find services at <https://ssc.hpe.com/portal/site/ssc/>



Service and Support

AI Powered and Digitally Enabled Support Experience

Achieve faster time to resolution with access to product-specific resources and expertise through a digital and data driven customer experience

Sign into the HPE Support Center experience, featuring streamlined self-serve case creation and management capabilities with inline knowledge recommendations. You will also find personalized task alerts and powerful troubleshooting support through an intelligent virtual agent with seamless transition when needed to a live support agent.

<https://support.hpe.com/hpesc/public/home/signin>

Consume IT On Your Terms

HPE GreenLake edge-to-cloud platform brings the cloud experience directly to your apps and data wherever they are—the edge, colocations, or your data center. It delivers cloud services for on-premises IT infrastructure specifically tailored to your most demanding workloads. With a pay-per-use, scalable, point-and-click self-service experience that is managed for you, HPE GreenLake edge-to-cloud platform accelerates digital transformation in a distributed, edge-to-cloud world.

- Get faster time to market
- Save on TCO, align costs to business
- Scale quickly, meet unpredictable demand
- Simplify IT operations across your data centers and clouds

To learn more about HPE Services, please contact your Hewlett Packard Enterprise sales representative or Hewlett Packard Enterprise Authorized Channel Partner. Contact information for a representative in your area can be found at "Contact HPE"

<https://www.hpe.com/us/en/contact-hpe.html>

For more information

<http://www.hpe.com/services>



Configuration Information

Notes: Factory Integrated Models (North America Only)

HPE Synergy D3940 Storage Module Configuration

Models

HPE Synergy D3940 12Gb SAS CTO Drive Enclosure with 40 SFF (2.5in) Drive Bays 835386-B21

Storage Module Options

HPE Synergy D3940 Redundant I/O Adapter 757323-B21

Notes:

- A single I/O adapter is included with each Synergy D3940 Storage Module. This option is for a second I/O adapter for redundancy.
- When configuring a storage module with SAS drives it is recommended that dual I/O modules also be configured for high availability.

HPE Drives

HPE Synergy D3940 Storage Modules support all small form factor (SFF) SAS and *SATA HDDs and SSDs currently certified in HPE Smart Carriers, except NVMe drives or dual-Flash drives. This is a large listing and changes often, so please refer to the QS below.

Drive types and sizes may be mixed within the D3940 Storage Module, but logical grouping of drives must be across identical drive types.

Maximum storage capacity will vary depending upon drive size and RAID type (if any) applied. Currently the maximum is 40 drives x 15.3TB SAS RI SSD = 612TB per storage module. With 5 storage modules in a frame, there is 3PB of direct-attach storage potential per frame.

Notes:

- For Technical Specifications and additional information on SAS drives:
<https://www.hpe.com/h20195/v2/GetHTML.aspx?docname=c04111744>
- For Technical Specifications and additional information on hard disk drives:
<https://www.hpe.com/h20195/v2/GetDocument.aspx?docname=a00001287enw> (Worldwide)
- For Technical Specifications and additional information on solid state drives:
<https://www.hpe.com/h20195/v2/GetDocument.aspx?docname=a00001288enw> (Worldwide)

Drive Quantity Supported	Position Supported	Controller
1 - 40	1 - 40	Smart Array P416ie-m Controller

Notes:

- Using hard drives in unsupported configurations will result in voiding the warranty and could result in damage to the drive and/or loss of data.
- SATA drives (and some Value SAS drives) have a single port limitation, making them more vulnerable to failure than dual port SAS drives. HPE RECOMMENDS DUAL PORT SAS drives for the HPE Synergy D3940 Storage Module. However, not all workloads require high availability, so we will continue to offer the less expensive SATA drives and the value SAS drives.



Related Options

Other Components

HPE Smart Array P416ie-m SR Gen10 (8 Int 8 Ext Lanes/2GB Cache) 12G SAS Mezzanine Controller 804428-B21

Notes:

- Each Gen9 compute module which is to access the D3940 Storage Module must include a Smart Array P542D controller populated in mezzanine slot 1. See the compute module Quickspecs for additional requirements regarding controller configuration.
- Each Gen10 compute module which is to access the D3940 Storage Module must include a Smart Array P416ie-m controller populated in mezzanine slot 1. See the compute module Quickspecs for additional requirements regarding controller configuration.

HPE Synergy 12Gb SAS Connection Module with 12 Internal Ports 755985-B21

Notes: When configuring a Synergy frame with one or more Synergy D3940 storage modules at least one SAS Connection Module must be populated per Synergy 12000 Frame in either ICM bay 1 or ICM bay 4 to provide connection between the storage modules and compute modules in that frame

Notes:

- When configuring a frame with dual SAS connection modules, dual I/O adapters are required in each HPE Synergy D3940 Storage Module.
- The HPE Synergy 12Gb SAS Connection Module is TAA compliant

Other Configuration Rules

Notes:

- A maximum of four storage modules may be populated in a single HPE Synergy 12000 frame when using Gen9 compute modules only. When using Gen10 only or a combination of Gen10 and Gen9 compute modules, up to five storage modules are supported per frame.
- When configuring a frame with an HPE Synergy D3940 Storage Module in it, at least one compute module with a Smart Array controller configured in mezzanine slot 1 must be included.
- The HPE Synergy D3940 Storage Module does not support NVME drives or SFF dual flash adapters.
- Any configurations with either dual I/O adapters in a single storage module or greater than three (3) HPE Synergy D3940 Storage Modules in a single frame must include dual 12Gb SAS Connection modules.
- The threshold for requiring a second SAS Connection Module drops to two storage modules in configurations with three or more full height compute modules in the same frame.

HPE Synergy Services

Notes: See HPE Support Services Central for additional services at <http://ssc.hpe.com/portal/site/ssc/>

Deployment/Installation & Start-up Services

HPE Factory Express Synergy Initial Frame Package 4 Service HA454A1-300

HPE Factory Express Synergy Add-on Frame Package 4 Service HA454A1-301

HPE Synergy First Frame Startup Service U8JM3E

HPE Synergy Additional Frame Startup Service U8JM4E



Technical Specifications

HPE Synergy D3940 Storage Module	
Dimensions (DxWxH)	D3940: 60.96 cm x 12.7 cm x 21.59 cm (24 in. x 5 in. x 8.5 in.)
	I/O Adapter: 20.32 cm x 11.43 cm x 1.91 cm (8 in. x 4.5 in. x .75 in.)
Weight (unloaded)	D3940: 9.39 kg (20.7 lbs)
	I/O Adapter: 0.59 kg (1.3 lbs)
Weight (loaded)	D3940: 21.18 kg (46.7 lbs) – using .29 kg (.65 lb) average weight for SFF HDD with Smart Carrier. Actual fully populated weight may vary depending on SFF drives used.
	Dual I/O Adapters: 1.18 kg (2.6 lbs)
Protocol Support	12 Gb/s SAS
	6 Gb/s SAS
O/S Support	Defined by specific HPE array controller or SAS/ adapter used; please refer to the QuickSpecs and/or User Guide of the specific array controller or adapter as well as the O/S support information for the compute modules with which the storage module will be composed.
LED Indicators	UID
	Health Status LED
	Drawer Open / Temperature LED
	Drive Status LED
Drive LED Indicators (on drive trays)	Drive LED (top) - On-line/Activity
	Drive Failure LED (bottom) - Drive Fault/Locate
Relative Humidity (non-condensing)	Operating 10 to 90% relative humidity (Rh), 28°C (82.4°F) maximum wet bulb temperature, non-condensing
	Non-operating 5 to 95% relative humidity (Rh), 38.7°C (101.7°F) maximum wet bulb temperature, non-condensing
Temperature Range	Operating 10° to 35°C (50° to 95°F)
	Non-operating -30° to 60°C (-22° to 140°F)
Power Consumption	26 Watts (Minimum with dual I/O Adapters) 500 Watts (Maximum)

Notes:

- For technical information on the controllers for this product, visit the [HPE Smart Array P416ie-m SR Gen10 \(8 Int 8 Ext Lanes/2GB Cache\) 12G SAS Mezzanine Controller QuickSpecs](#).
- For technical information on the controllers for this product, visit the [HPE Smart Array P542D/2GB FBWC 12Gb Mezzanine SAS Controller QuickSpecs](#).



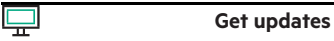
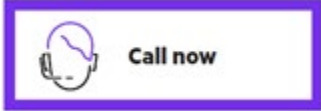
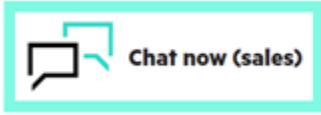
Summary of Changes

Date	Version History	Action	Description of Change
08-Jan-2024	Version 19	Changed	Service and Support section was updated
01-Nov-2021	Version 18	Changed	Overview and Configuration Information sections were updated Service and Support Pointnext Tech Care and Complete Care information updated
18-Jan-2020	Version 17	Changed	Standard Features section was updated.
07-Dec-2020	Version 16	Changed	Additional Options section was updated.
07-Oct-2020	Version 15	Changed	Additional Options section was updated.
16-Sep-2019	Version 14	Removed	QuickSpecs was updated.
05-Aug-2019	Version 13	Removed	Obsolete SKU was deleted 759557-B21
03-Dec-2018	Version 12	Changed	Overview, Standard Features and Configuration Information - Factory Integrated Models sections were updated.
01-Oct-2018	Version 11	Changed	Configuration Information section was updated.
06-Aug-2018	Version 10	Changed	Overview, Configuration Information - Factory Integrated Models, and Additional Options sections were updated.
04-Jun-2018	Version 9	Changed	Configuration Information - Factory Integrated Models, Related Options, and Technical Specifications sections were updated.
02-Apr-2018	Version 8	Removed	SKU deleted in Configuration Information - Factory Integrated Models (North America Only) section: 755984-B21
07-Aug-2017	Version 7	Changed Added	Overview, Standard Features, and Related Options sections were updated. SKU added: 804428-B21.
24-Feb-2017	Version 6	Changed	Upgrade version to match NA QS per edits only applicable to it.
16-Dec-2016	Version 5	Changed	Overview, Standard Features, and Service and Support sections were updated.
28-Nov-2016	Version 4	Changed	Service and Support section was updated.
05 Aug-2016	Version 3	Changed	Updated to include clarification of Smart Array licensing features, configuration rules, fix broken links
31-Mar-2016	Version 2	Changed Added	Overview, Standard Features, Service and Support, Technical Specifications sections were updated. SKUs were added in Configuration Information and Related Options sections: 835386-B21, 755984-B21, 757323-B21, 759557-B21, 755985-B21, H0WN6E, H0WN7E, H0WN9E, H0WP0E, HA454A1-300, HA454A1-301, U8JM3E, U8JM4E.
1-Dec-2015	Version 1	Created	New QuickSpecs



Copyright

**Make the right purchase decision.
Contact our presales specialists.**



© Copyright 2024 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.

c04815141 - 15422 - Worldwide - V19 - 08-January-2024