

### Overview

### HPE D2500sb Storage Blade

Designed for a wide range of configuration and deployment options, the new HPE D2500sb Storage Blade direct connects to the HPE ProLiant BL460c Gen10 Server Blade to provide the flexibility to optimize and expand your core IT applications with right-sized storage for the right workload – resulting in a lower TCO. All of this is managed by HPE OneView, the converged management platform that accelerates IT service delivery and boosts business performance.



1. Product information tag
2. UID LED
3. Drawer Open LED
4. Hot-plug drive drawer release button
5. Hot-plug drive drawer handle
6. Health status LED bar
7. Storage blade release latch\*
8. Drive activity/fault LED (twelve of each)
9. Storage blade release button\*

**NOTE\*:** Removing the storage blade from the enclosure removes power from the hard drives.

The D2500sb Storage Blade delivers direct attached storage to the HPE ProLiant BL460c Gen10, with support for up to 12 (twelve) hot plug small form factor (SFF) SAS or SATA hard disk drives or SAS/SATA SSDs. The enclosure backplane provides a PCI Express connection to the adjacent c-Class server blade and enables high performance storage access without any additional cables. The D2500sb Storage Blade includes an internal Smart Array controller with 2GB flash-backed write cache, for increased performance and data protection. Up to eight D2500sb storage devices can be supported in a single BladeSystem c7000 enclosure.

### What's New

- Support for BL460 Gen10 Server Blade

## Product Highlights

### Key Features

#### Features of the D2500sb include:

SFF (SAS/SATA/SAS SSD/SATA SSD) support – Delivering data transfer rates up to 6 Gb/s SAS and 3Gb/s SATA speeds

- Support for up to twelve (12) hot plug SFF SAS / SATA/ SAS SSD/ SATA SSD disk drives in a half-height blade
- Built-in Smart Array P408i-sb SR Gen10 Controller with 2 GB flash-backed write cache
- Simple configuration and setup with HPE Smart Storage Administrator (HPE SSA)
- Easy to maintain and troubleshoot with industry standard management tools including HPE Intelligent Provisioning and UEFI System Utilities
- Authorized Channel Partners. HPE Storage Blades are covered by a Global Limited Warranty of three years parts only with Next Business Day response time. Certain restrictions and exclusions apply

### Mix and Match of Hard Drive Types

D2500sb supports mixing of different drive types (SAS/SATA, SSD/HDD) in a single enclosure. However, please note also that an array can be created across only one drive type.

### Universal hot plug Hard Drive

Form factor is for use across multiple HPE 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.

### Density

The D2500sb fits into a half height bay on the BladeSystem c7000 Enclosure.

**NOTE: c7000 requires 10 fans, storage blade is not supported with 8 fan configuration.**

### Fault Tolerance

Using the built-in Smart Array P408i-sb SR Gen10 controller with 2 GB flash-backed write cache, the D2500sb can be configured for RAID 1, 5, 6, 10, 50, 60, 1 ADM, and 10 ADM (Advanced Data Mirroring).

### Manageability

All Smart Array products utilize a standard set of management and utility software. These tools minimize Total Cost of Ownership (TCO) by reducing training requirements and technical expertise necessary to install and maintain the HPE server storage.

### Fault Prevention

The following features offer detection of possible failures before they occur, allowing preventive action to be taken:

- Predictive drive failure detects possible drive failure before it occurs, allowing replacement of the component before failure occurs
- Background surface scan checks drives during inactive periods and automatically remaps bad sectors, ensuring data integrity
- HPE SmartSSD Wear Gauge reports the amount of lifetime remaining on your SSDs

### D2500sb Blade server support matrix

Supported Servers	Server: Full Height or Half Height	No of D2500sb Storage blades Supported	Pass Thru Card Required	Mezz slot to support 1 <sup>st</sup> Pass Thru Card	Mezz slot to support 2 <sup>nd</sup> Pass Thru Card
<b>X64 server blades</b>					
BL460c Gen10**	Half	1	No	n/a	n/a

**NOTE: D2500sb is not supported with any generation other than the HPE ProLiant BL460c Gen10.**

**NOTE: Minimum list of firmware versions required for installation of D2500sb P408i-sb SA FW: 1.34, BL460 Gen10 BIOS: 1.40 5/18/2018, iLO: 1.30, OA: 4.85. HPE Service Pack for ProLiant (SPP) 2018.06 (or later) provides all the necessary updates for support of D2500sb with BL460c Gen10 Server Blade in an HPE BladeSystem c7000 enclosure.**

## Product Highlights

**Operating Systems**    Microsoft Windows Server  
VMware  
Red Hat Enterprise Linux Server  
SUSE Linux Enterprise Server

**NOTE:** For specific OS support information please visit the OS support matrices – links found at <http://www.hpe.com/info/ossupport>

**NOTE:** For more information on the HPE Certified and Supported ProLiant Servers for OS and Virtualization Software and latest listing of software drivers available for your server, please visit our Support Matrices at:

<http://h17007.www1.hpe.com/us/en/enterprise/servers/supportmatrix/windows.aspx>

[http://h17007.www1.hpe.com/us/en/enterprise/servers/supportmatrix/oracle\\_linux.aspx](http://h17007.www1.hpe.com/us/en/enterprise/servers/supportmatrix/oracle_linux.aspx)

<http://h17007.www1.hpe.com/us/en/enterprise/servers/supportmatrix/vmware.aspx>.

---

**Storage Management**    HPE Smart Storage Administrator (SSA) GUI

**Software Suite**            HPE Smart Storage Administrator (SSA) CLI

HPE Smart Storage Administrator (SSA) Scripting

HPE Intelligent Provisioning

UEFI System Utilities (storage configuration)

UEFI Storage RESTful

**NOTE:** For additional information see the HPE Smart Array SR Gen10 Configuration Guide at: <http://www.hpe.com/info/SmartArrayGen10-docs>

## Service and Support, HPE Care Pack, and Warranty Information

### Warranty

The warranty for this device is 3 years parts only.

#### Warranty Upgrade Options

- Response - Upgrade on-site response from next business day to same day 4 hours
- Coverage - Extend hours of coverage from 9 hours x 5 days to 24 hours x 7 days
- Duration - Select duration of coverage for a period of 3 or 5 years

Warranty upgrade options can come in the form of HPE Pointnext operational, which are sold at the HPE System level to which this product attaches

### Protect your business beyond warranty with HPE Pointnext Operational Service.

HPE Pointnext provides a comprehensive portfolio including Advisory and Transformational, Professional, and Operational Services to help accelerate your digital transformation. From the onset of your transformation journey, Advisory and Transformational Services focus on designing the transformation and creating a solution roadmap. Professional Services specializes in creative configurations with flawless and on-time implementation, and on-budget execution. Finally, operational services provides innovative new approaches like Flexible Capacity and Datacenter Care, to keep your business at peak performance. HPE is ready to bring together all the pieces of the puzzle for you, with an eye on the future, and make the complex simple.

### Connect your devices:

Unlock all of the benefits of your technology investment by connecting your products to Hewlett Packard Enterprise. Achieve up to 77%<sup>1</sup> reduction in down time, near 100%<sup>2</sup> diagnostic accuracy and a single consolidated view of your environment. By connecting, you will receive 24x7 monitoring, pre-failure alerts, automatic call logging, and automatic parts dispatch. HPE Proactive Care Service and HPE Datacenter Care Service customers will also benefit from proactive activities to help prevent issues and increase optimization. All of these benefits are already available to you with your server storage and networking products, securely connected to HPE support.

1- IDC 2 – HP CSC reports 2014 – 2015

Learn more about getting connected at <http://www.hpe.com/services/getconnected>

**\*NOTE:** Proactive features of this service (twice yearly firmware, patch and software assessment, update recommendations) require the HPE Remote Support Technology tool suite. Some devices and configurations may not be supported by the technologies. In these instances, Hewlett Packard Enterprise will provide the steps required to collect the required information and send it to HPE so that those devices can be included in the reports. The current supported devices list is available as part of the release notes for Insight Remote Support found at <http://www.hpe.com/info/insightremotesupport>.

### Proactive Care service levels

#### **HPE Proactive Care\* with 24x7 coverage, three year Support Service**

HPE Proactive Care gives customers an enhanced call experience. When your products are connected to HPE, Proactive Care helps prevent problems and maintains IT stability by utilizing personalized proactive reports with recommendations and advice. This Service combines three years proactive reporting and advice with our 24x7 coverage, four hour hardware response time when there is a problem. This service also includes collaborative software support for Independent Software Vendors (ISVs), (Red Hat, VMWare, Microsoft, etc.) running on your HPE servers.

<https://www.hpe.com/h20195/v2/GetPDF.aspx/4AA3-8855ENW.pdf>

#### **HPE Proactive Care Advanced\* - 24x7 coverage, three year Support Service**

This service helps achieve a higher return on your product investment with personalized support from a local assigned Account Support Manager who will share best practice advice and personalized recommendations designed to help improve availability and performance to increase stability and reduce unplanned downtime. Leverage your system's ability to connect to HPE for pre-failure alerts, automatic call logging and parts dispatch. For business critical incidents, this service offers critical event management to reduce mean time to resolution. This recommendation provides 24x7 coverage with four-hour response for hardware and

## Service and Support and Warranty Information

collaborative support that offers two-hour callback for supported software issues. Collaborative software management is included with independent software vendors unless you have your software support from HPE where we own all cases from start through to resolution. <https://www.hpe.com/h20195/v2/getdocument.aspx?docname=4AA5-3259ENW>

HPE Proactive Care and HPE Proactive Care Advanced require that the customer connect their devices to make the most of these services and receive all the deliverables.

### **Foundation Care Service levels**

#### **HPE Foundation Care 24x7, three-year Support Service**

HPE Foundation Care 24x7 gives you access to HPE 24 hours a day, seven days a week for assistance on resolving issues. This service includes need based Hardware onsite response within four hours. In addition, collaborative software support is included in this service that provides troubleshooting assistance on industry leading software running on your HPE server. Simplify your support experience and make HPE your first call to help resolve hardware or software problems.

<https://www.hpe.com/h20195/V2/GetDocument.aspx?docname=4AA4-8876ENW&cc=us&lc=en>

### **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.

The defective media retention service feature option applies only to Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

### **Other related Services**

#### **HPE Install Storage Blade Hardware Installation Service**

Provides for the basic hardware installation of HPE branded servers, storage devices and networking options to assist you in bringing your new hardware into operation in a timely and professional manner.

<http://www.hpe.com/h20195/v2/getpdf.aspx/5891-9356en.pdf>

**HPE Installation and Startup Service for HPE BladeSystem Infrastructure** is a fixed-price, fixed-scope installation and startup service that provides for the installation of HPE BladeSystem configurations, limited to one HPE BladeSystem enclosure, and certain eligible HPE ProLiant and Integrity server blades, HPE ProLiant workstation blades, HPE storage blades, HPE Virtual Connect modules (Ethernet and Fibre Channel), and Ethernet and InfiniBand network interconnects, as well as installation and configuration of HPE OneView virtual appliance for the BladeSystem c7000 enclosure. HPE OneView installation and configuration will be limited to the specific supported products and subject to the limitations detailed in the service data sheet.

#### **HPE Datacenter Care service**

HPE Datacenter Care helps improve IT stability and security, increase the value of IT, and enable agility and innovation. It is a structured framework of repeatable, tested, and globally available services "building blocks." You can deploy, operate, and evolve your datacenter wherever you are on your IT journey. With HPE Datacenter Care, you benefit from a personalized relationship with HPE via a single point of accountability for HPE and others' products. For more information, visit

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

## Service and Support and Warranty Information

**HPE Greenlake Flex Capacity**, With HPE Greenlake Flex Capacity, you get the speed, scalability, and economics of the public cloud in the privacy of your data center. Gain the advantages of the public cloud—consumption-based payment, rapid scalability without worrying about capacity constraints. Reduce the “heavy lifting” needed to operate a data center. And retain the advantages that IT provides the business (i.e., control, security). Deliver the right user experience, choose the right technology for the business, manage privacy and compliance, and manage the cost of IT. And, you have the option to use the public cloud when needed.

### **HPE Factory Express for Servers and storage**

HPE Factory Express offers configuration, customization, integration and deployment services for HPE servers and storage products. Customers can choose how their factory solutions are built, tested, integrated, shipped and deployed.

Factory Express offers service packages for simple configuration, racking, installation, complex configuration and design services as well as individual factory services, such as image loading, asset tagging, and custom packaging. HPE products supported through Factory Express include a wide array of servers and storage: HPE Integrity, HPE ProLiant, HPE Apollo, HPE ProLiant Server Blades, HPE BladeSystem, HPE 9000 servers as well as the MSAXxx3PAR suite, XP, rackable tape libraries and configurable network switches.

**HPE Service Credits** offer flexible services and technical skills to meet your changing IT demands. With a menu of service that is tailored to suit your needs, you get additional resources and specialist skills to help you maintain peak performance of your IT. Offered as annual credits, you can plan your budgets while proactively responding to your dynamic business.

### **HPE Education Services**

Keep your IT staff trained making sure they have the right skills to deliver on your business outcomes. Book on a class today and learn how to get the most from your technology investment. <http://www.hpe.com/ww/learn>

### **HPE Support Center**

The HPE Support Center is a personalized online support portal with access to information, tools and experts to support HPE business products. Submit support cases online, chat with HPE experts, access support resources or collaborate with peers.

Learn more <http://www.hpe.com/support/hpesc>

HPE's Support Center Mobile App\* allows you to resolve issues yourself or quickly connect to an agent for live support. Now, you can get access to personalized IT support anywhere, anytime.

HPE Insight Remote Support and HPE Support Center are available at no additional cost with a HPE warranty, HPE Support Service or HPE contractual support agreement.

**\*NOTE** HPE Support Center Mobile App is subject to local availability

**For more information:** <http://www.hpe.com/services>

## Configuration Information - Factory Integrated Models (North America Only)

### Step 1: D2500sb Storage Blade Configuration

**Models**

HPE D2500sb Configure-to-order Storage Blade

868909-B21

**NOTE:** Includes 3yr NBD Parts-Only Warranty Service

## Options

### HPE Hard Drives

The HPE D2500sb Storage Blade has been tested with these small form factor (SFF) SAS HDDs and SAS/SATA SSDs. This list will change often, so check the online ordering system for the latest updates:

#### SSDs

##### Write Intensive SSD

HPE 400GB SAS 12G Write Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P04541-B21
HPE 800GB SAS 12G Write Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P04543-B21
HPE 1.6TB SAS 12G Write Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P04545-B21
HPE 3.2TB SAS 12G Write Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P04547-B21
HPE 400GB SAS 12G Write Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P09098-B21
HPE 800GB SAS 12G Write Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P09100-B21
HPE 1.6TB SAS 12G Write Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P09102-B21

##### Read Intensive SSD

HPE 960GB SAS 12G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P04517-B21
HPE 1.92TB SAS 12G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P04519-B21
HPE 3.84TB SAS 12G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P04521-B21
HPE 7.68TB SAS 12G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P04523-B21
HPE 480GB SATA 6G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P06194-B21
HPE 960GB SATA 6G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P06196-B21
HPE 1.92TB SATA 6G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P06198-B21
HPE 3.84TB SATA 6G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P06200-B21
HPE 240GB SATA 6G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P05924-B21
HPE 480GB SATA 6G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P05928-B21
HPE 960GB SATA 6G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P05932-B21
HPE 1.92TB SATA 6G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P05938-B21
HPE 3.84TB SATA 6G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P05946-B21
HPE 960GB SAS 12G Read Intensive SFF (2.5in) SC 3yr Wty Value SAS Digitally Signed Firmware SSD	P10440-B21
HPE 1.92TB SAS 12G Read Intensive SFF (2.5in) SC 3yr Wty Value SAS Digitally Signed Firmware SSD	P10442-B21
HPE 3.84TB SAS 12G Read Intensive SFF (2.5in) SC 3yr Wty Value SAS Digitally Signed Firmware SSD	P10444-B21
HPE 7.68TB SAS 12G Read Intensive SFF (2.5in) SC 3yr Wty Value SAS Digitally Signed Firmware SSD	P10446-B21

##### Mixed Use SSD

HPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P04525-B21
HPE 800GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P04527-B21
HPE 1.6TB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P04533-B21
HPE 3.2TB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P04537-B21
HPE 6.4TB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P04539-B21
HPE 480GB SATA 6G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P09712-B21
HPE 960GB SATA 6G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P09716-B21
HPE 1.92TB SATA 6G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P09722-B21
HPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P09088-B21



## Options

HPE 800GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P09090-B21
HPE 1.6TB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P09092-B21
HPE 3.2TB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P09094-B21
HPE 6.4TB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P09096-B21
HPE 480GB SATA 6G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P07922-B21
HPE 960GB SATA 6G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P07926-B21
HPE 1.92TB SATA 6G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P07930-B21
HPE 3.84TB SATA 6G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P00896-B21
HPE 480GB SATA 6G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P05976-B21
HPE 960GB SATA 6G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P05980-B21
HPE 1.92TB SATA 6G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P05986-B21
HPE 3.84TB SATA 6G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P05994-B21
HPE 960GB SAS 12G Mixed Use SC 3yr Wty Value SAS Digitally Signed Firmware SSD	P10448-B21
HPE 1.92TB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Value SAS Digitally Signed Firmware SSD	P10454-B21
HPE 3.84TB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Value SAS Digitally Signed Firmware SSD	P10460-B21

**HDDs**

HPE 300GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD	870753-B21
HPE 1.8TB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty 512e Digitally Signed Firmware HDD	872481-B21
HPE 2.4TB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty 512e Digitally Signed Firmware HDD	881457-B21

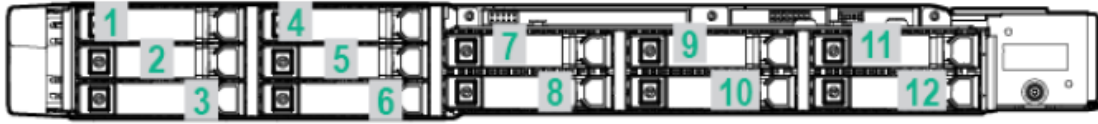
**NOTE:** Maximum storage capacity per storage blade will vary depending upon drive size and RAID type applied. Current capacity is 3.84-TB x 12 = 40.6TB in a single storage blade. Eight storage blades provide a max capacity of 368.64TB per enclosure.

**NOTE:** For Technical Specifications and additional information on hard disk drives: <https://www.hpe.com/h20195/v2/GetDocument.aspx?docname=a00001287enw> (Worldwide)

**NOTE:** For Technical Specifications and additional information on solid state drives: <https://www.hpe.com/h20195/v2/GetDocument.aspx?docname=a00001288enw> (Worldwide)

**NOTE:** Using hard drives in unsupported configurations will result in voiding the warranty and could result in damage to the drive, thermal problems, and/or loss of data.

## Storage



Top view of the D2500sb Storage Blade, with the drive drawer opened

### SFF Drives

Quantity Supported	Position Supported	Controller
12	1-12	Built-in Smart Array P408i-sb SR Gen10 Controller

## Technical Specifications

<b>HPE D2500sb Storage Blade</b>	<b>Dimensions</b> (HxWxD)	5.471cm x 18.070cm x 51.659cm (2.154" x 7.114" x 20.338")
	<b>Weight</b> (unloaded)	3.6 KG (8 lbs)
	<b>Weight</b> (loaded)	7.2 KG (16 lbs)
	<b>Protocol Support</b>	6 Gb/s SAS and 3Gb/s SATA speeds
	<b>O/S Support</b>	Microsoft Windows Server, VMWare, Red Hat Enterprise Linux Server, SUS Linux Enterprise Server
	<b>LED Indicators</b>	UID System Health LED
	<b>Drive LED Indicators</b> (on drive trays)	Drive LED (top) - On-line/Activity Drive Failure LED (bottom) - Drive Fault/Locate
	<b>Relative Humidity</b> (non-condensing)	Operating 20% to 80% Shipping 5% to 90%
	<b>Temperature Range</b>	Operating 50° to 95° F (10° to 35° C°) Shipping -22° to 140° F (-30° to 60° C)
	<b>NOTE:</b> Drive bays 1, 2, and 3 MUST be populated with either a drive or a blank to maintain proper cooling and airflow.	
	<b>Power Consumption</b>	12V/11A
<b>Built-in Smart Array P408i-sb SR Gen10 Controller</b>	<b>Disk Drive and Enclosure Interface</b>	X8 6G SAS (Serial Attached SCSI)
	<b>Cache Memory Speed</b>	Embedded 72-bit DDR4-2100 FBWC provides up to 16.8 GB/s maximum bandwidth.
	<b>Cache Memory</b>	2 GB embedded flash-backed write cache; ECC protection, battery-backed, and transportable
	<b>Logical Drives Supported</b>	Up to 64 logical drives
	<b>RAID Support</b>	RAID 0, 1, 5, 6, 10, 50, 60, 1 ADM, and 10 ADM (Advanced Data Mirroring); Mixed mode (RAID logical drives and HBA physical drives simultaneously)
	<b>Optional License</b>	HPE Smart Array SR Secure Encryption (drive encryption)
<b>NOTE:</b> For additional information on features of HPE Smart Array SR Gen10 Controllers, see the HPE Smart Array SR Gen10 User Guide. <a href="https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00019059en_us">https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00019059en_us</a>		
<b>Environment-friendly Products and Approach</b>	<b>End-of-life Management and Recycling</b>	Hewlett Packard Enterprise offers end-of-life Hewlett Packard Enterprise product return, trade-in, and recycling programs in many geographic areas. For trade-in information, please go to <a href="https://www.hpe.com/us/en/about/environment/product-recycling.html">https://www.hpe.com/us/en/about/environment/product-recycling.html</a> . To recycle your product, please go to: <a href="https://www.hpe.com/us/en/about/environment/product-recycling.html">https://www.hpe.com/us/en/about/environment/product-recycling.html</a> or contact your nearest Hewlett Packard Enterprise sales office. Products returned to Hewlett Packard Enterprise will be recycled, recovered or disposed of in a responsible manner.
		The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard Enterprise web site at: <a href="https://www.hpe.com/us/en/about/environment/product-recycling.html">https://www.hpe.com/us/en/about/environment/product-recycling.html</a> .

## Technical Specifications

These instructions may be used by recyclers and other WEEE treatment facilities as well as HEWLETT PACKARD ENTERPRISE OEM customers who integrate and re-sell Hewlett Packard Enterprise equipment.

## Summary of Changes

Date	Version History	Action	Description of Change
02-Apr-2019	Version 5	Added	SKUs added: P05924-B21, P05928-B21, P05932-B21, P05938-B21, P05946-B21, P10440-B21, P10442-B21, P10444-B21, P10446-B21, P05976-B21, P05980-B21, P05986-B21, P05994-B21, P10448-B21, P10454-B21, P10460-B21.
		Removed	Obsolete SKUs were deleted: 873355-B21, 872374-B21, 873359-B21, 875470-B21, 875474-B21, 877758-B21.
03-Dec-2018	Version 4	Added	SKUs added: P04517-B21, P04519-B21, P04521-B21, P04523-B21, P04525-B21, P04527-B21, P04533-B21, P04537-B21, P04539-B21, P04541-B21, P04543-B21, P04545-B21, P04547-B21, P09712-B21, P09716-B21, P09722-B21, P09088-B21, P09090-B21, P09092-B21, P09094-B21, P09096-B21, P09098-B21, P09100-B21, P09102-B21.
01-Oct-2018	Version 3	Changed	Recommended/Extended updates applied. Options section was updated.
		Added	SKUs added in Options sections: P07922-B21, P07926-B21, P07930-B21.
06-Aug-2018	Version 2	Changed	Product Highlights and Options sections were updated.
		Added	SKUs added in Options sections: P06194-B21, P06196-B21, P06198-B21, P06200-B21.
04-Jun-2018	Version 1	Created	New QuickSpecs.



**Sign up for updates**



© Copyright 2019 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.

For hard drives, 1GB = 1 billion bytes. Actual formatted capacity is less.

a00043496enw - 16189 - Worldwide - V5 - 2-April-2019