QuickSpecs

Overview

HPE SimpliVity 325 Gen10

HPE SimpliVity 325 Gen10, based on HPE ProLiant DL325 Gen10, is a compact, scalable, 1U rack-mounted building block that delivers integrated server, storage, and storage networking services. HPE SimpliVity 325 Gen10 is the secure and versatile, single-socket server for virtualization and I/O intensive workloads and is ideal for remote office or space-constrained locations. This 1P, 1U platform delivers an exceptional balance of processor, memory and I/O for 2P performance at 1P TCO. Get the most out of your virtualized environment with this versatile server delivering a lower hypervisor software cost and better cost per virtual machine (VM).



What's New

- 2nd Gen AMD® EPYC™ 7002 Series Processors
- HPE InfoSight for SimpliVity: Simplified, Al-driven operations to transform infrastructure management and support
- HPE SimpliVity now supports HPE StoreOnce, for customers who need a simple, cost effective, efficient, archiving solution to centralize data, lower costs, or adhere to long term backup policies

Notes: For VMware and HW compatibility and software details, please visit https://www.hpe.com/info/simplivity-interop-doc or https://support.hpe.com/hpesc/public/km/search#q=Simplivity&t=DriversandSoftware&sort=%40hpescuniversaldate%2 Odescending&layout=table

Scalable and Configurable

- Expandable in 1 node increments up to 96 total nodes
- Processor Choice of AMD® EPYC™ 7002 Series Processors
- Memory 256GB to 2048GB (Per node depending on configuration)
- Network 10Gb, 1Gb
- Power Redundant
- Virtualization Software and Licensing
- All in a compact 1U form factor
- 1 PCle expansion slot (Slot 1 PCle 3.0)

- It is strongly recommended that an HPE SimpliVity 325 Gen10 cluster have a minimum of two nodes to realize the full benefits of the high availability hyperconverged solution.
- A single cluster supports up to 16 nodes. A single federation supports up to 96 nodes. Scalability varies by Hypervisor.
 See product documentation for details.



Overview

Software Features

- HPE InfoSight for HPE SimpliVity
- Orchestrated software, firmware and hypervisor upgrades
- VMware vSphere
- HPE SimpliVity management plugin for VMware vCenter
- Optional Data Encryption support
- Optional RapidDR support

Hardware Availability Features

- Cluster expansion without downtime
- Hot-pluggable SSD
- Redundant power supplies
- Integrated storage controller with battery-backed cache
- HPE ProLiant Integrated Lights-Out Advanced (iLO) 5 Remote Management

Services

- HPE Pointnext full suite of support offerings (Foundation Care, Proactive Care and Datacenter Care).
- Remote support technology to provide 24x7 secure remote support

Notes: For the best support experience, HPE Pointnext Installation Services and 24x7x365 support recommended.

| HPE SimpliVity | 325 Gen10: At-a-Glance |
|-----------------------|--|
| Node Size | 1U |
| Processor | 1x AMD® EPYC™ Processor, 16 to 64 cores selectable, 1CPU option slot |
| Memory | 256GB to 2048GB per node selectable |
| Starage | Extra Small - 4 x 1.92TB SSD Kit (4.6TB usable) |
| Storage | Small - 6x 1.92TB SSD Kit (7.5TB usable) |
| Network Ports | Embedded Ethernet 4x1GbE LOM, 10Gb FLOM |
| Network Polis | Note: Embedded 4x 1GbE LOM is not equipped on new boards for 7xx2 series processors. |
| | Dual power supplies provide highly available power |
| | HPE 500W FS Plat Hot Plug LH Power Supply Kit |
| | HPE 800W FS Plat Hot Plug Power Supply Kit |
| Power Supplies | HPE 800W FS -48VDC Hot Plug Power Supply Kit |
| | HPE 800W FS Titanium Hot Plug Power Supply Kit |
| | HPE 800W FS Universal Hot Plug Power Supply Kit |
| | HPE 1600W FS Platinum Hot Plug LH Power Supply Kit |
| Hardware Warranty | Server Warranty includes 3-Year Parts, 3-Year Labor, 3-Year Onsite support with next business day response |
| Hardware Support | 3-year HPE SimpliVity 325 Gen10 solution support (required) |

- Warranty for SSDs is subject to maximum usage limitations. Maximum usage limit is the maximum amount of data that can be written to the drive. Drives that have reached this limit will not be eligible for replacement.
- Two power supplies per node are required for redundancy. 500W and 800W power supplies are only supported with specific configurations.

Standard Features

Features and Benefits

HPE InfoSight for HPE SimpliVity enables predictive data analytics

For SimpliVity nodes HPE InfoSight provides system details at the federation, cluster, and host level for historic capacity utilization, trends, resource consumption and prediction. Alleviates support issues and reduces operational expenses with automated wellness alerts and case creation. Provides a unified view of HPE SimpliVity assets such as Datastore, VM, Backups, Capacity, and IOPS.

Fully integrated system

Combines x86 resources, storage, and storage networking in a smaller form factor, single-socket, entry level hyperconverged system. Simplifies management and delivers great cost efficiency and agility with increased visibility and control.

Peak and predictable performance

The all-flash solution provides predictable and linear performance at near-wire speeds with reduced latency. Software-optimized inline deduplication, compression, and optimization helps minimize I/O and network traffic, improving performance while delivering great storage and bandwidth efficiency.

Scale in and scale out

Easily expand or shrink configurations as your needs change. Each node supports a large number of fully protected virtual machines (VMs), with the networked collection of nodes at both local and remote sites managed as a single entity.

VM centricity and mobility

Enables all actions, policies, and management at the VM level. Global unified management and integration with established administrative systems streamline operations and improve IT agility.

Dramatic TCO reduction

Single AMD EPYC processors allows for a 50% reduction in socket based hypervisor licensing costs. Drastically reduce the need to purchase multiple discrete components, optimize storage capacity with guaranteed 10:1 data efficiency, and prevent overprovisioning for performance and capacity with on-demand expansion.

Software Overview

Pre-integrated software

HPE SimpliVity Startup Wizard

Virtualization Platform Software and Licenses

- VMware vSphere installation media is required to complete the installation and is available from HPE when ordering HPE SimpliVity 325 Gen10
- Valid licenses for the following VMware software components are required and are available from HPE when ordering HPE SimpliVity 325 Gen10
 - (1) VMware vSphere license(s) per node
 - (1) VMware vCenter license

- HPE SimpliVity 325 Gen10 supports VMware vSphere ESXi.
- HPE SimpliVity 325 Gen10 for VMware vSphere requires valid VMware vSphere, and vCenter licenses. VMware licenses can only be removed from the order if it is confirmed that the end-customer has valid licenses in place (Enterprise License Agreement (ELA), vCloud Air Partner or unused Enterprise Purchasing Program tokens).
- Purchasing VMware licenses from Hewlett Packard Enterprise allows Hewlett Packard Enterprise to be the single point of contact for the entire solution, inclusive of the virtualization software, and is recommended.

Standard Features

Management

- HPE InfoSight for HPE SimpliVity
- VMware vCenter
- HPE SimpliVity management plugin for VMware vCenter

- HPE SimpliVity 325 Gen10 supports VMware vCenter 6.5 and 6.7.
- For VMware and HW compatibility, please see the <u>HPE SimpliVity OmniStack Interoperability Guide</u>
 - or http://www.hpe.com/docs/simplivity-library

Service and Support

Services for customers purchasing from Hewlett Packard Enterprise or an enterprise reseller are quoted using Hewlett Packard Enterprise order configuration tools.

HPE Proactive Care for HPE SimpliVity (choose the response level that meets your needs)

HPE Proactive Care for HPE SimpliVity was designed to help meet your support needs effectively and efficiently. Receive all the benefits of HPE Proactive Care (details are below) plus access specific self-serve tools, usage support, predictive notifications, and technical expertise that will give you control to manage your HPE SimpliVity solution and keep it reliable, stable, and at peak performance. Use the HPE SimpliVity forums with committed response time to answer questions or for questions where you where want community feedback. Access how to videos, best practices from support experts to address common challenges, or find out about beneficial hints and tips. Ask HPE SimpliVity solution operational questions with HPE Proactive Care for HPE SimpliVity.

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. HPE Proactive Care is available in 3, 4, and 5 year terms with a choice of response levels: Next Business day (NBD), 24x7 with a 4 hour response, and 24x7 with 6 hour call to repair (CTR). This Service combines both reactive support when there is a problem with an enhanced call experience and start to finish case management with proactive reporting and advice. This service also includes collaborative software support for Independent Software Vendors (ISVs), (Red Hat, VMWare, Microsoft, etc.).

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

HPE Proactive Care Advanced incorporates all the deliverables of HPE Proactive Care for HPE SimpliVity plus includes 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 help 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, Proactive Care Advanced offers critical event management to help reduce mean time to resolution. HPE Service Credits are included to redeem for technical and operational services. HPE Proactive Care Advanced is offered in 3, 4, and 5 year terms with a choice of response levels: Next Business day (NBD), 24x7 with a 4 hour response, and 24x7 with 6 hour call to repair (CTR). https://www.hpe.com/h20195/v2/getdocument.aspx?docname=4AA5-3259ENW

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

HPE Foundation Care – (choose the response level that meets your needs)

HPE Foundation Care helps when there is a problem and is available in 3, 4, and 5 year terms with a choice of response levels: Next Business day (NBD), 24x7 with a 4 hour response, and 24x7 with 6 hour call to repair (CTR). Note that Call-To-Repair Service connects you to HPE 24 hours a day, seven days a week for assistance on resolving issues -this includes our highest level commitment to repair hardware within six hours after opening your case and respond to software questions within two hours. In addition, Collaborative software support is included and provides troubleshooting assistance on industry leading software running on your 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 Material

Hewlett Packard Enterprise 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.

Defective Media Retention is an option available with HPE Proactive Care, Proactive Care Advanced, and HPE Foundation Care and applies only to Disk or eligible SSD/Flash Drives replaced by Hewlett Packard Enterprise due to malfunction

Service and Support

Other Related Services

HPE Server Hardware Installation

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.

https://h20195.www2.hpe.com/v2/getdocument.aspx?docname=5981-9356enw

HPE Installation and Startup Service

Provides for the installation of your HPE hardware according to product specifications including options. The HPE service delivery technician will connect the product to a LAN as appropriate and enable remote support to allow for automatic case creation for hardware failures. Installation and start up services also includes the installation of one supported operating system type (Windows® or Linux)

HPE Service Credits

Offers flexible services and technical skills to meet your IT demands as your business evolves. With a menu of services, you can access additional resources and specialist skills to help you maintain peak performance of your IT. HPE Service Credits help you proactively respond to your dynamic IT and business needs.

HPE Education Services

Provides comprehensive training designed to expand the skills of your IT staff and keep them up to speed with the latest technologies.

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

HPE SimpliVity 325 Gen10: Overview for New System

Use the following steps to order a new SimpliVity 325 Gen10 system:

- Step 1: Begin with the base node chassis
- Step 2: Select the hardware options to add to the base node: processors, memory, storage, networking, power, other optional HW
- Step 3: The software license that corresponds to the node configuration will be automatically added
- Step 4: Select service and support

| Base Node | | |
|-------------------|---|--------|
| Action | Description | Part # |
| Select the node | HPE SimpliVity 325 Gen10 Node | R2Z06A |
| chassis with | HPE SimpliVity AMD VMware Node Tracking | R2Z27A |
| Hypervisor option | | |

Processors

CPU Configurations

| Action | Details | Description | CPU SKU |
|----------------|--------------------|--|------------|
| Select 2nd Gen | 64C, 2.0GHz,200W | AMD EPYC 7702P (2.0GHz/64-core/200W) FIO Processor Kit | P16637-L21 |
| AMD® EPYC™ CPU | | for HPE ProLiant DL325 Gen10 | |
| | 32C, 2.65GHz, 180W | AMD EPYC 7502P (2.5GHz/32-core/180-200W) FIO Processor | P16639-L21 |
| | | Kit for HPE ProLiant DL325 Gen10 | |
| | 24C, 2.9GHz, 180W | AMD EPYC 7402P (2.8GHz/24-core/180-200W) FIO Processor | P16641-L21 |
| | | Kit for HPE ProLiant DL325 Gen10 | |
| | 16C, 2.9GHz, 155W | AMD EPYC 7302P (2.8GHz/16-core/155-180W) FIO Processor | P16644-L21 |
| | | Kit for HPE ProLiant DL325 Gen10 | |
| | 32C, 2.2GHz, 155W | AMD EPYC 7452 (2.3GHz/32-core/155-180W) FIO Processor | P16921-L21 |
| | | Kit for HPE ProLiant DL325 Gen10 | |
| | 24C, 2.3GHz,155W | AMD EPYC 7352 (2.3GHz/24-core/155W) FIO Processor Kit | P21424-L21 |
| | | for HPE ProLiant DL325 Gen10 | |
| | 48C, 2.2GHz, 200W | AMD EPYC 7552 (2.2GHz/48-core/165-200W) FIO Processor | P21864-L21 |
| | | Kit for HPE ProLiant DL325 Gen10 | |
| | 64C, 2.0GHz, 200W | AMD EPYC 7702 (2.0GHz/64-core/200W) FIO Processor Kit | P22034-L21 |
| | | for HPE ProLiant DL325 Gen10 | |
| | 64C, 2.0GHz,200W | AMD EPYC 7702P (2.0GHz/64-core/200W) FIO Processor Kit | P16637-L21 |
| | | for HPE ProLiant DL325 Gen10 | |

Memory for 2nd Gen AMD® EPYC™ CPU

| Action | Details | Description | SKU |
|---|---------------------|---|------------|
| Select a quantity of memory options for | RDIMM – Single Rank | HPE 16GB (1x16GB) Single Rank x4 DDR4-2933 CAS-21-21-21 Registered Smart | P19041-B21 |
| the node | RDIMM - Dual Rank | HPE 32GB (1x32GB) Dual Rank x4 DDR4-2933 CAS-21-21- | P19043-B21 |
| | LRDIMM - Quad Rank | 21 Registered Smart HPE 64GB (1x64GB) Quad Rank x4 DDR4-2933 CAS-21-21- | P19044-B21 |
| | ENDIMIN Quad Nank | 21 Load Reduced Smart Memory Kit | 117044 021 |
| | RDIMM - Dual Rank | HPE 64GB (1x64GB) Dual Rank x4 DDR4-2933 CAS-21-21- | P19045-B21 |
| | | 21 Registered Smart Memory Kit | |
| | LRDIMM - Quad Rank | HPE 128GB (1x128GB) Quad Rank x4 DDR4-2933 CAS-21- 21-21 Load Reduced Smart Memory Kit | P19047-B21 |

Notes:

- For more information go to: http://www.hpe.com/docs/memory-population-rules
- 2933 MT/s memory SKUs must be selected in quantities of 4, 8, 12, or 16
- Minimum 256GB memory must be configured per node
- RDIMM and LRDIMM cannot be mixed
- Mixing of x4 & x8 memory is not allowed
- P19047-B21 and P19044-B21 cannot be mixed
- 2933 MT/s DIMMs are only supported with AMD® EPYC® 7xx2 Series Processor Family
- 2933 MT/s memory SKUs offer a transfer rate of 2933 MT/s at 1 DIMM per channel and 2666 MT/s at 2 DIMMs per channel

Storage

Effective capacity varies by environment and is a function of realized deduplication and compression rates. The capacities in this table offer a conservative range based on compression and deduplication rates found in standard, primary storage use cases.

| Action | Usable Capacity | Description | Part # |
|--|------------------------|-------------------------------------|--------|
| Select one storage | 7.5 TB | HPE SimpliVity 6x1.92TB SFF SSD Kit | Q9Y49A |
| kit for the node | 4.6 TB | HPE SimpliVity 4x1.92TB SFF SSD Kit | R2Z28A |
| Notes: The appropriate OmniStack software will be included by the configurator | | | |

Networking

| Action | Description | Part # |
|--------------------|--|------------|
| A 10GbE FlexLOM is | HPE Ethernet 1Gb 4-port 331FLR Adapter | 629135-B22 |
| required. | HPE Ethernet 1Gb 4-port 366FLR Adapter | 665240-B21 |
| | HPE FlexFabric 10Gb 2-port 534FLR-SFP+ Adapter | 700751-B21 |
| | HPE FlexFabric 10Gb 2-port 533FLR-T Adapter | 700759-B21 |
| | HPE FlexFabric 10Gb 4-port 536FLR-T Adapter | 764302-B21 |
| | HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter | 817709-B21 |
| | HPE Ethernet 10/25Gb 2-port 640FLR-SFP28 Adapter | 817749-B21 |

Notes: Embedded 4x 1GbE LOM is not equipped on new boards for 7xx2 series processors.

| PCI Ad | lapter |
|--------|--------|
|--------|--------|

| Action | System Max | Description | Part # |
|--------|------------|--|------------|
| | 1 | HPE Ethernet 1Gb 4-port 331T Adapter | 647594-B21 |
| | 1 | HPE Ethernet 10Gb 2-port 530SFP Adapter | 652503-B21 |
| | 1 | HPE Ethernet 10Gb 2-port 530T Adapter | 656596-B21 |
| | 1 | HPE Ethernet 1Gb 4-port 366T Adapter | 811546-B21 |
| | 1 | HPE Ethernet 10/25Gb 2-port 640SFP28 Adapter | 817753-B21 |
| | 1 | HPE Ethernet 10/25Gb 2-port 621SFP28 Adapter | 867328-B21 |
| | 1 | HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter | 817718-B21 |

Optional Fibre Channel HBA cards

| * | | | |
|---|------------|--|--------|
| Action | System Max | Description | Part # |
| | 1 | HPE StoreFabric SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter | P9D94A |
| | 1 | HPE StoreFabric SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter | P9M76A |

Power Supplies

| Action | Description | Part # |
|--------------------|--|------------|
| Two power supplies | HPE 800W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit | 865414-B21 |
| are required. | HPE 800W Flex Slot Universal Hot Plug Low Halogen Power Supply Kit | 865428-B21 |
| | HPE 800W Flex Slot -48VDC Hot Plug Low Halogen Power Supply Kit | 865434-B21 |
| | HPE 800W Flex Slot Titanium Hot Plug Low Halogen Power Supply Kit | 865438-B21 |
| | HPE 1600W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit | 830272-B21 |
| | HPE 500W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit | 865408-B21 |
| | HPE DL325 Gen10 Redundant Power Supply Enablement Kit | P04983-B21 |

Notes:

is required.

- The power supply requirement can vary based configuration and environment. 800W Power Supply is only supported with specific configurations. Please refer to HPE Power Advisor for proper power sizing.
- All configured nodes ship with a standard 6-foot IEC C-13/C-14 jumper cord (A0K02A). This jumper cord is also included with each standard AC power supply option kit. If a different power cord is required, please check the ProLiant Power Cables web page. https://h20195.www2.hpe.com/v2/getpdf.aspx/4AA6-6836ENW.pdf

HPE SimpliVity Software

| Action | Description | Part # |
|---|---|------------------|
| Based on the hardware configurations selected, the appropriate software will be included by the configurator. | HPE SimpliVity 325 4.6TB Software HPE SimpliVity 325 7.5TB Software | R2Z77A R2Z78A |
| The software is determined by storage configuration and | | |

VMware Software

vSphere

Notes:

HPE SimpliVity 325 Gen10 supports ESXi 6.5 and 6.7.

| Action | Description | Part # |
|--------------------|--|----------|
| A valid VMware | VMware vSphere Remote Office Branch Office Standard 25VM 3yr E-LTU | P9A82AAE |
| vSphere license is | VMware vSphere Remote Office Branch Office Standard 25VM 5yr E-LTU | P9A83AAE |
| required for each | VMware vSphere Remote Office Branch Office Advanced 25VM 3yr E-LTU | P9A85AAE |
| CPU to complete | VMware vSphere Remote Office Branch Office Advanced 25VM 5yr E-LTU | P9A86AAE |
| deployment. | VMware vSphere Standard 1 Processor 3yr E-LTU | BD711AAE |
| | VMware vSphere Enterprise Plus 1 Processor 3yr Software | BD715A |
| | VMware vSphere Enterprise Plus 1 Processor 3yr E-LTU | BD715AAE |
| | VMware vSphere Remote Office Branch Office Standard 25VM 3yr E-LTU | P9A82AAE |
| | VMware vSphere Remote Office Branch Office Advanced 25VM 3yr E-LTU | P9A85AAE |
| | VMware vSphere Standard 1 Processor 5yr Software | BD512A |
| | VMware vSphere Standard 1 Processor 5yr E-LTU | BD512AAE |
| | VMware vSphere Enterprise Plus 1 Processor 5yr Software | BD514A |
| | VMware vSphere Enterprise Plus 1 Processor 5vr E-LTU | BD514AAE |

Notes:

- If an order is placed without VMware licenses, the user agrees to supply the necessary license.
- HPE SimpliVity 325 Gen10 for VMware vSphere requires valid VMware vSphere, and vCenter licenses. VMware licenses can only be removed from the order if it is confirmed that the end-customer has a valid licenses in place (Enterprise License Agreement (ELA), vCloud Air Partner or unused Enterprise Purchasing Program tokens).
- Purchasing VMware licenses from Hewlett Packard Enterprise allows Hewlett Packard Enterprise to be the single point of
 contact for the entire solution inclusive of the virtualization software and is recommended. When the VMware license is
 not included on the order the solution level support experience is impacted.

HPE Integrated Lights Out Advanced Software (iLO Advanced)

| · · · = · · · · · · · · · · · · · · · · | | | | | | |
|---|---|--------|--|--|--|--|
| Action | Description | Part # | | | | |
| The HPE iLO Advanced license | HPE iLO Advanced 1-server License with 3yr Support on iLO Licensed Features | BD505A | | | | |
| is required | | | | | | |

Select service and support to perform the storage upgrade, migration, install and redeployment.

HPE provides a full range of support offers for these products. Foundation Care NBD is the minimum level of support, but Proactive Care, Data center Care and GreenLake are also available.

Contact your local sales representative or channel partner for more details.

Installation services are required for these products. HA124A1#5ZD needs to be ordered in a quantity matching the sum of the software SKUs from Step 2.

Additional Options

Server Options

| Action | Description | Part # | |
|--------|--|------------|--|
| | HPE 1U Small Form Factor Easy Install Rail Kit | 734807-B21 | |
| | HPE 1U Cable Management Arm for Rail Kit | 734811-B21 | |
| | HPE DL325 Gen10 Serial Port Enablement Kit | P05045-B21 | |
| | HPE Serial Special Cable Kits | Q7Y55A | |
| | HPE 1U Gen10 Bezel Kit | 867998-B21 | |
| | HPE Bezel Lock Kit | 875519-B21 | |
| | HPE Trusted Platform Module 2.0 Gen10 Option | 864279-B21 | |
| | HPE Gen10 TPM 1.2 FIO Setting | 872108-B21 | |
| | HPE 1U Gen10 Chassis Intrusion Detection Kit | 866473-B21 | |

Technical Specifications

Physical Dimensions

• 1U form factor: 1.69 x 17.11 x 24.21 in (4.29 x 43.46 x 61.49 cm)

End-of-life Management and Recycling

Hewlett-Packard 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: http://www.hp.com/go/green. To recycle your product, please go to: http://www.hp.com/go/green 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: http://www.hpe.com/recycle. 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.

EU Lot9 Regulation

If you require validation for an RFP the Compliance Team has a help desk to support EU compliance inquiries and can be reached at Technical Regulations Europe **tre@hpe.com** or you may also contact **sustainability@hpe.com**

Summary of Changes

| Date | Version History | Action | Description of Change |
|-------------|-----------------|---------|---|
| 15-Jun-2020 | Version 5 | Changed | Overview, Standard Features, and Configuration Information sections were updated. |
| 04-May-2020 | Version 4 | Changed | Overview and Configuration Information sections were updated. |
| 02-Mar-2020 | Version 3 | Changed | Technical Specifications sections were updated. |
| 02-Dec-2019 | Version 2 | Changed | Overview and Standard Features sections were updated. |
| 03-Sep-2019 | Version 1 | New | QuickSpecs created. |

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