

Overview

Shape the Future of QuickSpecs – Your Input Matters

HPE SimpliVity 325

HPE SimpliVity 325, based on HPE ProLiant DL325 Gen11 server, is a compact, scalable, 1U rack-mounted building block that delivers integrated server, storage, and storage networking services. HPE SimpliVity 325 platforms are 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.

Maximize the potential of your virtualized environment with the HPE SimpliVity 325, a versatile system now offering a choice of two hypervisors. Customers can select Broadcom VMware or the newly available HPE Morpheus VM Essentials Software, delivering a flexible and cost-effective solution for managing IT infrastructure



HPE SimpliVity 325 Gen11

What's New

- HPE SimpliVity 325 Gen11 now supports HPE Morpheus VM Essentials Software
- HPE SimpliVity Software 6.0 for HPE Morpheus VM Essentials Software
- HPE SimpliVity Software 5.3.1 for Broadcom VMware
- Socket based Term licensing
- AMD 4th Generation EPYC Processors (Genova)
- AMD 5th Generation EPYC Processors (Turin)
- Introducing a new drive configuration of 7.68TB
- PCIe 5.0 support

Overview

HPE SimpliVity 325 Gen11 now supports HPE Morpheus VM Essentials Software

Software Features

- HPE SimpliVity Software 6.0 with HPE Morpheus VM Essentials
- HPE InfoSight server integration
- VM provisioning and lifecycle operations
- Hyper-efficiency
- 2-Node HA
- Built-in Data protection
- Backup & Restore
- HPE SimpliVity management plugin for HPE VM Essentials Manage
- HPE SimpliVity with HPE Morpheus VM Essentials must be deployed in a separate federation

Hardware Features

- Single disk resiliency on HPE SimpliVity 325 Gen11 nodes
- Hot-serviceable boot drives
- Redundant power supplies
- Integrated storage controller with battery-backed cache
- HPE ProLiant Integrated Lights-Out Advanced (iLO) 5 Remote Management

Notes:

- It is strongly recommended that an HPE SimpliVity 325 Gen11 cluster have a minimum of two nodes to realize the full benefits of the high availability hyperconverged solution.
- A single HVM cluster supports up to 4 nodes.
- A federation cannot contain HPE Morpheus VM Essential and Broadcom VMware clusters

HPE SimpliVity 325 Gen11 supports Broadcom VMware

Software Features

- HPE SimpliVity now supports HPE GreenLake for Private Cloud Business Edition Cloud Console
- Support for 4th Generation AMD EPYC Turin Processors
- Support for 5th Generation AMD EPYC Turin Processors
- Dual drive resiliency for certain capacities
- HPE InfoSight server integration
- VMware vSphere (customer to procure from authorized distributor).
- HPE SimpliVity management plugin for VMware vCenter.
- HPE Backup Archive to HPE Cloud Bank Storage
- HPE StoreOnce Integration, with HPE StoreOnce Data Immutability.
- Decoupling of firmware dependency -> our decoupled upgrades allow for VMware ESXi upgrades only, with upgrade manager.
- Optional data encryption support
- Optional RapidDR support
- HPE SimpliVity for Broadcom must be deployed in a separate federation



Overview

Hardware Features

- Cluster expansion without downtime.
- Choice of single disk resiliency or dual disk resiliency on HPE SimpliVity 325 Gen11 nodes
- Hot-serviceable boot drives
- Redundant power supplies
- Integrated storage controller with battery-backed cache

Notes:

- It is strongly recommended that an HPE SimpliVity 325 Gen11 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. See product documentation for details.
- A federation cannot contain HPE Morpheus VM Essential and Broadcom VMware clusters

Scalable and Configurable

- Storage Expansion Kits available for 1.92, 3.84, 7.68TB of x4 SSD to x6 SSD or x8 SSD
- Multiple boot drive controller options
- Expandable in 1 node increments up to 96 total nodes
- Processor - Choice of 4th Gen & 5th Gen AMD® EPYC™ Series Processors
- Memory – From 256 GB up to 3072 GB (Per node depending on Pro)
- Network – 1 Gb, 10 Gb/25 Gb, 100 Gb, 200 Gb
- Redundant Power Supplies
- All in a compact 1U form factor
- 3 PCIe expansion slots (PCIe 5.0)

Broadcom VMware Software

- HPE SimpliVity now supports VMware ESXi 8.0U3 (refer to HPE SimpliVity interop guide)
- A valid VMware vSphere license is required for each host (72-core minimum license per-host needed).
- License types offered by VMware,
 - vSphere Foundation
 - vSphere Standard
 - vSphere Essentials Plus Kit

Services

- HPE Services full suite of support offerings (Tech Care and Complete Care).
- HPE Services enabled redeploy storage expansion.
- Remote support technology to provide 24x7 secure remote support

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

HPE SimpliVity supports integration with HPE GreenLake Private Cloud Business Edition*, offering compatibility for Broadcom VMware

- Customers can leverage features for HPE SimpliVity environment such as viewing federated clusters, and VM provisioning operations.
- Customer can also manage public cloud infrastructure and leverage other additional capabilities which will be offered on the platform in the future.
- Global dash boarding (VM and Clusters information, capacity details/trends, performance details/trends, alerts, protection levels)
- Simple VM provisioning wizard for both on-prem and public cloud instances including VM power cycle and on-prem VM migration operations.



Overview

Notes:

- Refer HPE GreenLake for Private Cloud Business edition Quickspecs <https://psnow.ext.hpe.com/doc/a50004281enw>
- VMware licenses must be procured through Broadcom VMware or authorized distributor
- For VMware and HW compatibility and software details, please visit: <https://www.hpe.com/info/simplivity-interop-doc> , [HPE Suppos portal](#) and [SimpliVity Drivers and Software](#)

HPE SimpliVity Term Based licensing

Every HPE SimpliVity nodes will now have socket-based term licenses which includes HPE SimpliVity Software , HPE VM Essentials Software and Support.

Notes: Broadcom VMware licenses must be procured from Broadcom VMware or from an authorized distributor.

HPE SimpliVity 325 Gen11 At-a-Glance	
Node Size	1U
Processor	4 th Gen AMD® EPYC™ Processor, 16 to 128 cores selectable, 1 CPU option slot 5 th Gen AMD® EPYC™ Processor, 16 to 160 cores selectable, 1 CPU option slot
Memory	From 128 GB up to 3072 GB per node selectable (based on the selection of Processor) Note: 5 th Gen CPUs supports max of 1536 GB
Hypervisors	HPE Morpheus VM Essentials Software [S2V31B] OR Broadcom VMware [S2V31A]
Storage	1.92 TB SATA RI SSD Kit
	3.84 TB SATA RI SSD Kit
	7.68 TB SATA RI SSD Kit
	Notes: *For SAS Drives support reach out to HPE representatives
Network Ports	Embedded Ethernet 4x1 GbE OCP3.0, 10Gb OCP card, 10/25Gb, 100Gb Notes: HPE 1GbE 4-port OCP3 Adapter plus choice of OCP or standup card
Power Supplies	Dual power supplies provide highly available power
	HPE 800W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit
	HPE 1000W Flex Slot Titanium Hot Plug Power Supply Kit
	HPE 1600W Flex Slot -48VDC Hot Plug Power Supply Kit
	HPE 1600W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit
	HPE 1800W-2200W Flex Slot Titanium Hot Plug Power Supply Kit
	HPE 1000W Flex Slot Titanium Hot Plug 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 Gen11 solution support (required)
License	Term based licensing - 3 Year , 5 Year

Notes:

- 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 HPE 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.

TCO reduction

Single AMD EPYC processor architecture allows for a low-cost, 1U 1P, performance solution for your virtualized workloads with core based hypervisor licensing costs (within the VMware Core count guidelines). Drastically reduce the need to purchase multiple discrete components, optimize storage capacity with guaranteed 10:1 data efficiency, and prevent over-provisioning performance and capacity with on-demand expansion.

Cloud backup / Cloud storage

HPE SimpliVity with HPE Backup Archive with Cloud Bank Storage allows backing up data to 3rd party cloud services via StoreOnce**

Secondary backup

HPE SimpliVity with HPE StoreOnce protects data center and distributed edge sites by easily and efficiently replicating applications and data directly to a centralized HPE StoreOnce appliance for compliance and long-term retention requirements. HPE SimpliVity with HPE StoreOnce also supports Data Immutability to protect against ransomware**

Notes: ** Planned for HPE Morpheus VM Essentials in future

Software Overview

Pre-integrated software

- HPE SimpliVity Startup Wizard

Virtualization Platform Software and Licenses

Broadcom VMware

- VMware vSphere installation media is required to complete the installation when ordering HPE SimpliVity 325 Gen11
- Valid licenses for the following VMware software components are required when ordering HPE SimpliVity 325 nodes.
 - VMware vSphere license(s) per node: customer to procure from authorized distributor.
 - VMware vCenter license: customer to procure from authorized distributor.



Standard Features

Notes:

- HPE SimpliVity 325 Gen11 supports VMware vSphere ESXi
- HPE SimpliVity 325 Gen11 for VMware vSphere requires valid VMware vSphere, and vCenter licenses.
- For VMware versions and HW compatibility, please see the [HPE SimpliVity OmniStack Interoperability Guide](#) or [HPE Support Center portal](#)

HPE Morpheus VM Essentials Software

- Customer registers and activates license key for HPE SimpliVity Software allowing them to install and deploy HPE Morpheus VM Essentials for 5yr or 3yr terms.
- HPE Morpheus VM Essentials Software license is embedded as part of the HPE SimpliVity Software license

Management for HPE Morpheus VM Essentials Software

- HPE InfoSight for HPE SimpliVity
- HPE SimpliVity management through VM Essentials Manager

Management for Broadcom VMware

- HPE InfoSight for HPE SimpliVity
 - VMware vCenter for Broadcom VMware
 - HPE SimpliVity management plugin for VMware vCenter
 - HPE GreenLake Private Cloud Business Edition
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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/completecure>

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

HPE SimpliVity 325 Gen11: Overview for New System

Use the following steps to order a new HPE SimpliVity 325 Gen11 system:

- **Step 1:** Begin with the selection of Node & Hypervisor
- **Step 2:** Select the license Term
- **Step 3:** Select the hardware options to add to the base node: processors, memory, storage, networking, power, other optional HW
- **Step 4:** The software license that corresponds to the node **configuration** will be automatically added
- **Step 5:** Select service and support

Step 1: Begin with the Base Node

Base Node

Action:

- Select the Node & Hypervisor option
S2V31A – HPE SimpliVity 325 Gen11 Node SKU which supports Broadcom VMware
S2V31B - HPE SimpliVity 325 Gen11 Node SKU which supports HPE Morpheus VM Essentials Software
- User selection required for License Term

Description

	SKU
HPE SimpliVity 325 Gen11 8SFF Configure-to-order Node	S2V31A
HPE SimpliVity 325 Gen11 8SFF Configure-to-order Node	S2V31B
HPE SimpliVity 325 Gen11 Configure-to-order Solution Tracking	S2V23A
HPE SimpliVity 325 Gen11 Configure-to-order Solution Tracking	S2V23B
HPE SimpliVity 325 Gen11 1 Processor 3-year E-LTU	S6D38AAE
HPE SimpliVity 325 Gen11 1 Processor 5-year E-LTU	S6D37AAE

Notes:

- The Solution tracking SKU is not user selectable and will be added automatically based on the Hypervisor choice
- The E-LTU SKUs are not user selectable, and it will be added by the configurator depending on the year selected

Step 2: Select the Hardware Options to Add to the Base Node:

User selection required for Single Disk Resiliency or Dual Disk Resiliency

Disk Resiliency Type

	S3B77A
HPE SimpliVity Node Tracking with Single Disk Resiliency	
HPE SimpliVity Node Tracking with Dual Disk Resiliency	S3B78A

Notes: Currently HPE SimpliVity with HPE VM Essentials only supports Single Disk Resiliency.

Processors

4th Generation AMD® EPYC™ CPU

Action:

- Select CPUs for the node

AMD EPYC 9654P 2.4GHz 96-core 360W Processor for HPE	P53697-B21
AMD EPYC 9554P 3.1GHz 64-core 360W Processor for HPE	P53703-B21
AMD EPYC 9354P 3.25GHz 32-core 280W Processor for HPE	P53704-B21
AMD EPYC 9454P 2.75GHz 48-core 290W Processor for HPE	P53709-B21
AMD EPYC 9474F 3.6GHz 48-core 360W Processor for HPE	P53706-B21
AMD EPYC 9374F 3.85GHz 32-core 320W Processor for HPE	P53710-B21
AMD EPYC 9274F 4.05GHz 24-core 320W Processor for HPE	P53711-B21
AMD EPYC 9174F 4.1GHz 16-core 320W Processor for HPE	P53698-B21
AMD EPYC 9754 2.25GHz 128-core 360W Processor for HPE	P60463-B21
AMD EPYC 9734 2.2GHz 112-core 340W Processor for HPE	P60465-B21
AMD EPYC 9634 2.25GHz 84-core 290W Processor for HPE	P53705-B21



Configuration Information

AMD EPYC 9534 2.45GHz 64-core 280W Processor for HPE	P53699-B21
AMD EPYC 9334 2.7GHz 32-core 210W Processor for HPE	P53712-B21
AMD EPYC 9254 2.9GHz 24-core 200W Processor for HPE	P53707-B21
AMD EPYC 9224 2.5GHz 24-core 200W Processor for HPE	P58540-B21
AMD EPYC 9124 3.0GHz 16-core 200W Processor for HPE	P53702-B21
AMD EPYC 9684X 2.55GHz 96-core 400W Processor for HPE	P63493-B21
AMD EPYC 9384X 3.1GHz 32-core 320W Processor for HPE	P63492-B21
AMD EPYC 9184X 3.55GHz 16-core 320W Processor for HPE	P63491-B21
5th Generation AMD® EPYC™ CPU	
AMD EPYC 9845 2.1GHz 160-core 390W Processor for HPE	P72646-B21
AMD EPYC 9825 2.2GHz 144-core 390W Processor for HPE	P72647-B21
AMD EPYC 9745 2.4GHz 128-core 400W Processor for HPE	P72648-B21
AMD EPYC 9645 2.3GHz 96-core 320W Processor for HPE	P72649-B21
AMD EPYC 9655P 2.6GHz 96-core 400W Processor for HPE	P72662-B21
AMD EPYC 9565 3.15GHz 72-core 400W Processor for HPE	P72651-B21
AMD EPYC 9535 2.4GHz 64-core 300W Processor for HPE	P72652-B21
AMD EPYC 9575F 3.3GHz 64-core 400W Processor for HPE	P72758-B21
AMD EPYC 9555P 3.2GHz 64-core 360W Processor for HPE	P72663-B21
AMD EPYC 9475F 3.65GHz 48-core 400W Processor for HPE	P72666-B21
AMD EPYC 9455P 3.15GHz 48-core 300W Processor for HPE	P72664-B21
AMD EPYC 9365 3.4GHz 36-core 300W Processor for HPE	P72655-B21
AMD EPYC 9335 3.0GHz 32-core 210W Processor for HPE	P72656-B21
AMD EPYC 9375F 3.80GHz 32-core 320W Processor for HPE	P72667-B21
AMD EPYC 9355P 3.55GHz 32-core 280W Processor for HPE	P72665-B21
AMD EPYC 9255 3.20GHz 24-core 200W Processor for HPE	P72658-B21
AMD EPYC 9275F 4.1GHz 24-core 320W Processor for HPE	P72668-B21
AMD EPYC 9135 3.65GHz 16-core 200W Processor for HPE	P72660-B21
AMD EPYC 9115 2.6GHz 16-core 125W Processor for HPE	P72659-B21
AMD EPYC 9175F 4.2GHz 16-core 320W Processor for HPE	P72669-B21

Notes: Please note 4th Gen CPUs only supports DDR-4800 DIMM and 5th Gen supports DDR-6400 DIMM

Action:

- Select a processor Heat Sink

Description

HPE ProLiant DL3X5 Gen11 1U CPU Standard Heat Sink Kit	SKU P58456-B21
HPE ProLiant DL3X5 Gen11 1U CPU Performance Heat Sink Kit	P58457-B21
HPE ProLiant DL325 Gen11 Closed-loop Liquid Cooling FIO Heat Sink Kit	P58463-B21

DDR5-4800 Registered DIMMs (RDIMMs)

Memory

HPE 16GB (1x16GB) Single Rank x8 DDR5-4800 CAS-40-39-39 EC8 Registered Smart Memory Kit	P50309-B21
HPE 32GB (1x32GB) Dual Rank x8 DDR5-4800 CAS-40-39-39 EC8 Registered Smart Memory Kit	P50311-B21
HPE 64GB (1x64GB) Dual Rank x4 DDR5-4800 CAS-40-39-39 EC8 Registered Smart Memory Kit	P50312-B21
HPE 128GB (1x128GB) Quad Rank x4 DDR5-4800 CAS-46-39-39 EC8 Registered 3DS Smart Memory Kit	P50313-B21
HPE 256GB (1x256GB) Octal Rank x4 DDR5-4800 CAS-46-39-39 EC8 Registered 3DS Smart Memory Kit	P50314-B21
HPE 96GB (1x96GB) Dual Rank x4 DDR5-4800 CAS-46-45-45 EC8 Registered Smart Memory Kit	P66676-B21



Configuration Information

DDR5-6400 Registered DIMMs (RDIMMs)

Memory

HPE 16GB (1x16GB) Single Rank x8 DDR5-6400 CAS-52-52-52 EC8 Registered Smart Memory Kit	P64984-B21
HPE 32GB (1x32GB) Dual Rank x8 DDR5-6400 CAS-52-52-52 EC8 Registered Smart Memory Kit	P64985-B21
HPE 64GB (1x64GB) Dual Rank x4 DDR5-6400 CAS-52-52-52 EC8 Registered Smart Memory Kit	P64986-B21
HPE 128GB (1x128GB) Dual Rank x4 DDR5-6400 CAS-52-52-52 EC8 Registered Smart Memory Kit	P64988-B21

Notes:

- Please select one or more memory from above.
- For new Gen11 memory population rule whitepaper and optimal memory performance guidelines, please go to: <https://www.hpe.com/psnow/doc/a50007481enw>
- Memory DIMM availability with a server platform is dependent upon completion of certification testing. The maximum memory speed is a function of the memory type, memory configuration, and processor model.
- Memory compatibility may vary or be limited within a specific server family depending upon the specific configuration being requested. Because each server environment and requirements can vary, memory compatibility is based not only upon the server family, but may also be affected by the amount and type of additional hardware options installed within a specific server configuration. For this reason, some HPE memory DIMMs may be qualified for a server model or family and yet occasionally not be supported with limited configurations within that server family. Please consult with the HPE server QuickSpecs or your HPE representative if you have any questions regarding memory compatibility with a specific HPE.
- Minimum 128GB GB memory must be configured per node
- DDR4800 RDIMMs can support up to 3TB
- DDR6400 RDIMMs can support up to 1.5TB
- Mixing of x4 & x8 memory is not allowed
- 8 GB-128 GB memory SKUs can run the transfer rate of 3200 MT/s at both 1 DIMM and 2 DIMM per channel

Boot Device/ Boot RAID controllers

HPE NS204i-u Gen11 NVMe Hot Plug Boot Optimized Storage Device	P48183-B21
HPE MR216i-o Gen11 x16 Lanes without Cache OCP SPDM Storage Controller	P47789-B21
HPE MR216i-p Gen11 x16 Lanes without Cache PCI SPDM Plug-in Storage Controller	P47785-B21

Notes:

- User must select qty1 of the same type of controller from the above options
- If selecting NS204i-p Controller, there is no need to select boot SSDs since it comes with two 480 GB NVMe drives
- If selecting any boot controller other than NS204i-p, user MUST select boot SSDs below. Boot drive cages are required and will be added in OCA when selecting non NS204i-p boot controllers.

Boot SSD Drives

Description

	SKU
HPE SimpliVity 480GB SATA 6G Read Intensive SFF BC Multi Vendor SSD	S1J86A
HPE SimpliVity 960GB SATA 6G Read Intensive SFF BC Multi Vendor SSD	S1J87A

Notes:

- User must select qty2 of the same type of HDD/SSD
- If selecting NS204i-p Controller, there is no need to select boot SSDs since NS204i-p it comes with NVMe drives

Storage Controllers

HPE SR932i-p Gen11 x32 Lanes 8GB Wide Cache PCI SPDM Plug-in Storage Controller	P47184-B21
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Notes: User must select qty1 of the same type of Storage controller from the above options



Configuration Information

Storage Drives

HPE SimpliVity 1.92TB SATA 6G Read Intensive SFF BC Multi Vendor SSD

S1J88A

HPE SimpliVity 3.84TB SATA 6G Read Intensive SFF BC Multi Vendor SSD

S1J89A

HPE 7.68TB SATA 6G Read Intensive SFF BC Multi Vendor SSD

P40501-K21

1.92TB SSD Options

- **If S2V31A Broadcom VMware Hypervisor is selected**
Qty 4, 6, 8 of S1J88A is required for HPE SimpliVity 325 Gen11
- **If S2V31B HPE Morpheus VM Essentials Software Hypervisor is selected**
Qty 4, 6 of S1J88A is required for HPE SimpliVity 325 Gen11

3.84TB SSD Options

- **If S2V31A Broadcom VMware Hypervisor is selected**
Qty 4, 6, 8 of S1J89A is required for HPE SimpliVity 325 Gen11
- **If S2V31B HPE Morpheus VM Essentials Software Hypervisor is selected**
Qty 4, 6 of S1J89A is required for HPE SimpliVity 325 Gen11

7.68TB SSD Options

- **If S2V31A Broadcom VMware Hypervisor is selected**
Qty 4, 6, 8 of P40501-K21 is required for HPE SimpliVity 325 Gen11
- **If S2V31B HPE Morpheus VM Essentials Software Hypervisor is selected**
Qty 4, 6, 8 of P40501-K21 is required for HPE SimpliVity 325 Gen11

Notes: Some configurations may require exception approval

Capacity options for Broadcom VMware

Drive Config	Resiliency	*Approx. Usable Capacity [TB]
4 x1.92 TB	FTT1	5.0
6 x1.92 TB	FTT1	8.0
6 x1.92 TB	FTT2	6.0
8 x1.92 TB	FTT1	10.0
4 x3.84 TB	FTT1	10.0
6 x3.84 TB	FTT1	15.0
6 x3.84 TB	FTT2	12.0
8 x3.84 TB	FTT1	21.0
4 x 7.68 TB	FTT1	19.0
6 x 7.68 TB	FTT1	31.0
6 x 7.68 TB	FTT2	23.0
8 x 7.68 TB	FTT1	43.0

Capacity options for HPE Morpheus VM Essentials

Drive Config	Resiliency	*Approx. Usable Capacity [TB]
4 x1.92 TB	FTT1	5.0
6 x1.92 TB	FTT1	8.0
4 x3.84 TB	FTT1	10.0
6 x3.84 TB	FTT1	15.0
4 x 7.68 TB	FTT1	19.0
6 x 7.68 TB	FTT1	31.0
8 x 7.68 TB	FTT1	43.0



Configuration Information

Notes:

- Currently HPE VM Essentials only supports FTT1
- For SAS Drive support please reach out to HPE Representative
- Usable capacity is the capacity available after RAID and system overheads have been removed, before deduplication and compression is applied. In the case of Dual Disk Resiliency the usable capacity will be different
- *The usable capacities are approximately and rounded to near zero. For actual capacities please refer to HPE SimpliVity sizer.

Power Supplies

Description

SKU

HPE 500W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit	865408-B21
HPE 800W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit	P38995-B21
HPE 1000W Flex Slot Titanium Hot Plug Power Supply Kit	P03178-B21
HPE 1600W Flex Slot -48VDC Hot Plug Power Supply Kit	P17023-B21
HPE 1600W Flex Slot Platinum Hot Plug Low Halogen Power Supply Kit	P38997-B21
HPE 1800W-2200W Flex Slot Titanium Hot Plug Power Supply Kit	P44712-B21

Notes:

- The power supply requirements can vary based on configuration and environment 800" 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 (AOK02a). This jumper cord is also included with each standard AC power supply option kit. If a different power cord is required, please check the HPE ProLiant Power Cables web page: <https://h20195.www2.hpe.com/v2/getpdf.aspx/4AA6-6836ENW.pdf>

Networking

PCIe NIC Adapters

Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	P21106-B21
Broadcom BCM5719 Ethernet 1Gb 4-port BASE-T Adapter for HPE	P51178-B21
Broadcom BCM57416 Ethernet 10Gb 2-port BASE-T Adapter for HPE	P26253-B21
Broadcom BCM57412 Ethernet 10Gb 2-port SFP+ Adapter for HPE	P26259-B21
Broadcom BCM57414 Ethernet 10/25Gb 2-port SFP28 Adapter for HPE	P26262-B21
Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	P26264-B21
Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter for HPE	P08443-B21
Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	P08458-B21
Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE	P42044-B21
Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	P21112-B21
Mellanox MCX623106AS-CDAT Ethernet 100Gb 2-port QSFP56 Adapter for HPE	P25960-B21

OCP Network Adapters

Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE	P10106-B21
Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE	P42041-B21
Broadcom BCM57416 Ethernet 10Gb 2-port BASE-T OCP3 Adapter for HPE	P10097-B21
Broadcom BCM57412 Ethernet 10Gb 2-port SFP+ OCP3 Adapter for HPE	P26256-B21
Broadcom BCM57414 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE	P10115-B21
Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE	P26269-B21
Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	P22767-B21
Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	P08449-B21
Broadcom BCM5719 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	P51181-B21

Fiber Channel Host Bus Adapters

HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	R2E08A
HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	R2E09A
HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	R2J62A
HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	R2J63A
HPE SN1700E 64Gb 1-port Fibre Channel Host Bus Adapter	R7N77A
HPE SN1700E 64Gb 2-port Fibre Channel Host Bus Adapter	R7N78A



Configuration Information

HPE SN1700Q 64Gb 1-port Fibre Channel Host Bus Adapter

R7N86A

HPE SN1700Q 64Gb 2-port Fibre Channel Host Bus Adapter

R7N87A

Notes:

- Please refer to the HPE ProLiant Gen11 QuickSpecs - https://www.hpe.com/psnow/doc/a50004297enw.pdf?jumpid=in_pdp-psnow-qs
- All the HBA cards to be managed outside of HPE SimpliVity manageability and orchestration.

Graphics

Description

HPE ProLiant DL3X5 Gen11 OCP1 Upgrade Cable Kit

SKU

P56658-B21

Step 3: The software license that corresponds to the node configuration will be automatically added.

HPE SimpliVity Software

Action: Based on the number of CPUs in the node, the appropriate software will be included by the configurator

Description	SKU	Drive Configs	Qty
HPE SimpliVity 325 Gen11 1 Processor Low 3-year E-LTU	S6D44AAE	4x 1.92 TB	4
		6x 1.92 TB	6
		8x 1.92 TB	8
		4x 3.84 TB	8
		6x 3.84 TB	12
		8x 3.84 TB	16
		4x 7.68 TB	16
HPE SimpliVity 325 Gen11 1 Processor High 3-year E-LTU	S6D45AAE	6x 7.68 TB	24
		8x 7.68 TB	32
HPE SimpliVity 325 Gen11 1 Processor Low 5-year E-LTU	S6D42AAE	4x 1.92 TB	4
		6x 1.92 TB	6
		8x 1.92 TB	8
		4x 3.84 TB	8
		6x 3.84 TB	12
		8x 3.84 TB	16
		4x 7.68 TB	16
HPE SimpliVity 325 Gen11 1 Processor High 5-year E-LTU	S6D43AAE	6x 7.68 TB	24
		8x 7.68 TB	32

Notes: The License SKU is not user orderable, based on the CPU and Drive Qty selection, HPE configurator adds the corresponding type of license with Qty automatically.

1. HPE SimpliVity SW licensing is based on a calculation factor of 1.92 units.
2. For every 1 Qty of 1.92 TB SSD 1 Qty of license is added; for every 1 Qty of 3.84 TB SSD 2 Qty of licenses are added; for every 1 Qty of 7.68 TB SSD 4 Qty of licenses are added;

Examples on how the license SKUs are derived/denoted -

Node Configs	Licenses Required
3-Year License Term	
1P 325 Gen 11 4 SSD 1.92 TB	1 Qty S6D38AAE & 4 Qty S6D44AAE
1P 325 Gen 11 4 SSD 3.84 TB	1 Qty S6D38AAE & 8 Qty S6D44AAE
1P 325 Gen 11 8 SSD 1.92 TB	1 Qty S6D38AAE & 8 Qty S6D44AAE
1P 325 Gen 11 8 SSD 3.84 TB	1 Qty S6D38AAE & 16 Qty S6D44AAE
1P 325 Gen 11 8 SSD 7.68 TB	1 Qty S6D38AAE & 16 Qty S6D45AAE



Configuration Information

5-Year License Term	
1P 325 Gen 11 4 SSD 1.92 TB	1 Qty S6D37AAE & 4 Qty S6D42AAE
1P 325 Gen 11 4 SSD 3.84 TB	1 Qty S6D37AAE & 8 Qty S6D42AAE
1P 325 Gen 11 8 SSD 1.92 TB	1 Qty S6D37AAE & 8 Qty S6D42AAE
1P 325 Gen 11 8 SSD 3.84 TB	1 Qty S6D37AAE & 16 Qty S6D42AAE
1P 325 Gen 11 8 SSD 7.68 TB	1 Qty S6D37AAE & 16 Qty S6D43AAE

HPE SimpliVity 325 Gen11 Storage Expansion Overview fo Broadcom VMware

Notes: Please note that Storage expansion is only for Perpetual licensing. If you need Term licenses, please reach out to HPE representatives

Use the following steps to expand Storage for your existing HPE SimpliVity 325 Gen11 node:

Step 1: Start with the HPE SimpliVity 325 Gen11 Node/Tracking SKU & Select the option “HPE SimpliVity 325 Gen11 expansion”

Step 2: Select the Disk Resiliency option

Step 3: Select the Storage Drive Capacity Expansion

Step 4: Service and support will be added automatically to perform the storage upgrade, migration, install and redeployment

Step 1: Start with the Expansion Kit SKU

Action: Select the Expansion SKU

HPE SimpliVity 325 Gen11 8SFF Configure-to-order Node

S2V31A

Step 2: Select the Disk Resiliency Expansion

Action: Select the option

HPE SimpliVity Node Tracking with Single Disk Resiliency

S3B77A

HPE SimpliVity Node Tracking with Dual Disk Resiliency

S3B78A

HPE SimpliVity 325 Gen11 1 Processor Expansion E-RTU

S4U94AAE

Notes: E-RTU SKU will be automatically added by OCA

Step 3: Select the Storage Drive Capacity Expansion

Action: Select the option

HPE SimpliVity 1.92TB SATA 6G Read Intensive SFF BC Multi Vendor SSD

S1J88A

HPE SimpliVity 3.84TB SATA 6G Read Intensive SFF BC Multi Vendor SSD

S1J89A

Notes:

- One of the options can be selected based on the disk resiliency selected
 - Storage Expansion 1 processor, from 4 to 6 1.92 TB drives
 - Storage Expansion 1 processor, from 4 to 8 1.92 TB drives
 - Storage Expansion 1 processor, from 6 to 8 1.92 TB drives
 - Storage Expansion 1 processor, from 4 to 6 3.84 TB drives
 - Storage Expansion 1 processor, from 4 to 8 3.84 TB drives
 - Storage Expansion 1 processor, from 6 to 8 3.84 TB drives

Step 4: Select service and support to perform the storage upgrade, migration, install and redeployment

HPE provides a full range of support offers for these products. Tech Care is the minimum level of support, but Complete Care is 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.



Configuration Information

HPE SimpliVity 325 Gen10 and 325 Gen10 Plus V2 : Storage Expansion Overview

Use the following steps to expand Storage for your existing HPE SimpliVity 325 Gen10 or 325 Gen10 Plus v2 node:

Step 1: Start with the Expansion SKU

Step 2: Add the SW license that correlates to either storage expansion options

Step 3: Select the hardware options to add the storage drive kits

Step 4: Select service and support to perform the storage upgrade, migration, install and redeployment

Step 1: Start with the Expansion Kit SKU

Action: Select the Expansion SKU.

HPE SimpliVity 325 Expansion Kit

SON29A

Step 2: If Storage expansion is needed, add the SW license from below that correlates to the desired expansion configuration

Action: Select the appropriate SW license according to the desired storage expansion configuration.

Choose from one of the following Redeployment Storage Expansion choices

325 x4 SSD → 325 x6 SSD

325 x6 SSD → 325 x8 SSD (only on HPE SimpliVity 325 Gen10 Plus V2 models)

HPE SimpliVity 325 1.92TB 4 to 6 SSD Upgrade E-LTU

SON38AAE

HPE SimpliVity 325 1.92TB 6 to 8 SSD Upgrade E-LTU

SON39AAE

Step 3: Select the hardware options to add either the storage drive kits or additional CPU and memory

Action: Select quantity 2 of the same SSD type from the following SSD options, based on the desired storage expansion configuration. For example, in the configurator you can only select qty2 of P44009-K21 or qty2 of P40543-K21, you cannot mix and match two different vendor types.

Step 4: Select service and support to perform the storage upgrade, migration, install and redeployment

HPE provides a full range of support offers for these products. Tech Care is the minimum level of support, but Complete Care is 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.



Technical Specifications

Physical Dimensions

- 1U Form factor 1.69 X 17.11 X 25.37 In (4.29 X 43.46 X 64.43 cm)
- Dimensions 4.29 X 43.46 X 64.43 cm (1.69 X 17.11 X 25.37 In)
- Weight (approximate)
- Maximum 10 SFF chassis with 10 SFF hard drives, 1x processors including standard heatsink, 16x DIMMs, 2x power supplies, 1x Smart Array, 2x Risers installed, cables for the above 16.19 kg - 35.68 lb

Notes: For all other DL325 Gen10 Plus v2 Server details, please refer to the [HPE DL325 Gen10 Plus v2 Server QuickSpecs](#).

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. To recycle your product, please go to: <http://www.hpe.com/recycle> 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
07-Jul-2025	<u>Version 12</u>	Changed	Introducing hypervisor integration of HPE SimpliVity with HPE Morpheus VM Essentials, now supported on both SimpliVity 380 and 325 Gen11 platforms. The update also brings new term-based licensing options for HPE SimpliVity and expanded support for 7.68 TB capacity points
14-Apr-2025	<u>Version 11</u>	Changed	Overview, Standard Features, and Configuration Information sections were updated.
04-Nov-2024	<u>Version 10</u>	Changed	Configuration Information section was updated
05-Aug-2024	<u>Version 9</u>	Changed	Overview, Standard Features, and Configuration Information sections were updated.
28-Mar-2024	<u>Version 8</u>	Changed	Overview, Standard Features and Configuration Information sections were updated.
19-Jan-2024	<u>Version 7</u>	Changed	Configuration Information section was updated. VMware vSphere SKUs were removed.
08-Jan-2024	<u>Version 6</u>	Changed	Overview and Service and Support sections were updated.
01-May-2023	<u>Version 5</u>	Changed	Overview, Standard Features, Service and Support, Configuration Information and Technical Specifications sections were updated
23-Jan-2023	<u>Version 4</u>	Changed	Update QS name
07-Nov-2022	<u>Version 3</u>	Changed	Added 325 Storage Expansion Options and new SSDs & Boot Controllers
13-Dec-2021	<u>Version 2</u>	Changed	Overview and Configuration Information sections were updated
06-Dec-2021	<u>Version 1</u>	New	QuickSpecs created.



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