Have feedback on QuickSpecs? We're listening

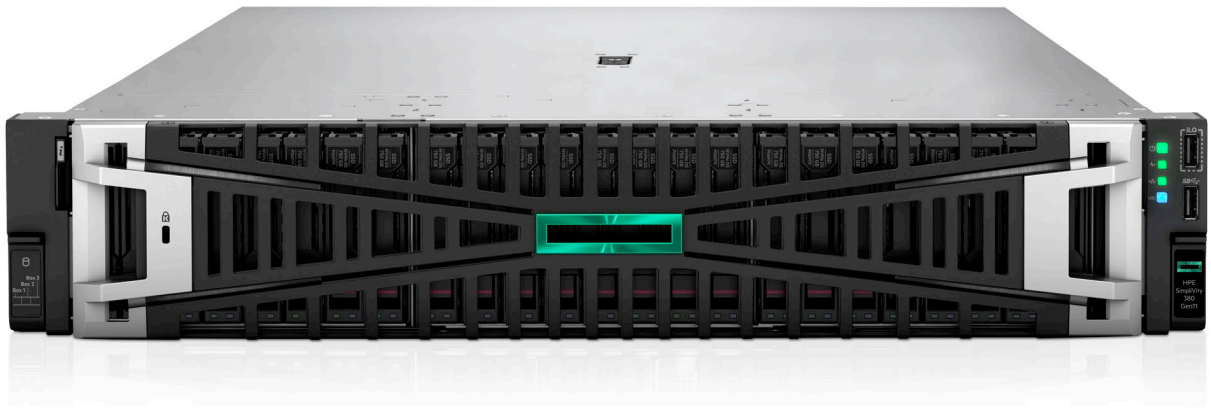
HPE SimpliVity 380 QuickSpecs

HPE SimpliVity 380, based on HPE ProLiant Compute DL380 Gen12 server, is a compact, scalable, 2U rack-mounted building block that delivers integrated server, storage, and storage networking services

Adaptable for diverse virtualized workloads, the secure 2U HPE SimpliVity 380 platforms deliver world-class performance with the right balance of expandability and scalability.

Delivering advanced efficiency, management, protection, and performance, at a fraction of the cost and complexity of traditional stacks with the HPE SimpliVity 380 - a versatile system now offering a choice of two hypervisors. Customers can select Broadcom VMware or the newly available HPE Morpheus Software — VM Essentials, delivering a flexible and cost-effective solution for managing IT infrastructure.

Overview



HPE SimpliVity 380 Gen12

What's New

- HPE SimpliVity 380 now support HPE ProLiant Compute DL380 Gen12 platform
- HPE SimpliVity 380 Gen12 now supports MR416 Broadcom controller
- HPE SimpliVity Software 7.0 now supports HPE Morpheus Software — VM essentials
  - HPE StoreOnce integration
  - Stretch Cluster
  - Streamlined upgrade operations through HVM
- HPE SimpliVity Software 7.0 for Broadcom VMware
- Socket based Term licensing
- Licensing Unit of Measure (Applies to Gen 12 platform only)- Usable capacity (TiB)
- 6th Generation Intel® Xeon® Scalable Processors (Granite Rapids CPU)
- HPE DDR5-6400 Registered Smart Memory Kit

HPE SimpliVity 380 Gen12 supports HPE Morpheus Software — VM Essentials

Software Features

- HPE SimpliVity Software 7.0.0 Version supports HPE Morpheus Software — VM Essentials
- Hyper Efficiency
- Built-in Data protection
- 2 Node High Availability
- Backup & Restore
- VM provisioning and lifecycle operations
- HPE SimpliVity Software 7.0 with HPE Morpheus Software — VM essentials
- HPE StoreOnce Integration
- Stretch Cluster
- Streamlined upgrade operations through HVM
- HPE SimpliVity management plugin for HPE VM Essentials Management

Overview

Notes:

- It is strongly recommended that an HPE SimpliVity 380 Gen12 cluster have a minimum of two nodes to realize the full benefits of the high availability hyperconverged solution.
- A federation cannot contain HPE Morpheus Software — VM Essentials and Broadcom VMware clusters

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HPE SimpliVity 380 Gen12 supports Broadcom VMware

Software Features

- HPE SimpliVity Software 7.0 for Broadcom VMware
- VMware vSphere (customer to procure from Broadcom).
- 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 RapidDR support

Notes:

- It is strongly recommended that an HPE SimpliVity 380 Gen12 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 Software — VM essentials and Broadcom VMware clusters
- For RapidDR information, please see the HPE SimpliVity RapidDR Data Sheet and QuickSpecs https://h20195.www2.HPE.com/v2/getdocument.aspx?docname=a00018755enw

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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 (follow Broadcom VMware licensing guidelines for required minimum core licenses.).
- License types offered by VMware:
- vSphere Foundation
- vSphere Standard
- vSphere Essentials Plus Kit

Common Features and Specifications

Hardware Features

- MR416 Broadcom controller
- Single disk resiliency on HPE SimpliVity 380 Gen12 nodes
- Hot-serviceable boot drives
- Redundant power supplies

Overview

- Integrated storage controller with battery-backed cache
- HPE ProLiant Integrated Lights-Out Advanced (iLO) 7 Remote Management
- Cluster expansion without downtime.
- Integrated storage controller with battery-backed cache

Scalable and Configurable

- Expandable in 1 node increments up to 96 total nodes per federation for Broadcom VMware
- Processor – 6th Intel® Xeon® Scalable Processors
- Memory – 128 GB to 8192 GB (Per node depending on the platform and configuration)
- Network – 200 Gb, 100 Gb, 10/25 Gb, 1 Gb (depending on the platform and configuration)
- Redundant Power Supplies
- All in a compact 2U form factor

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 Term Based licensing

- Every HPE SimpliVity node will now have socket-based term licenses which includes HPE SimpliVity Software, HPE VM Essentials Software and Support.
- Usable Capacity (TiB) is the standard unit of measure for HPE SimpliVity software licensing (applies to Gen12 only).

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

Features

HPE SimpliVity 380 Gen12 At-a-Glance	
Node Size	2U
Processors	Powered by - 6th Gen Intel® Xeon® Scalable Processors 8 to 86 cores selectable, 1 or 2 CPU options
Memory	Up to 8 TB
Hypervisor	HPE Morpheus Software — VM Essentials OR Broadcom VMware
Boot Controller	NS204i-u
Storage	1.92 TB SAS MU SSD Kit, 1.92 TB SAS RI SSD Kit
	3.84 TB SAS MU SSD Kit, 3.84 TB SAS RI SSD Kit
	6.4 TB SAS MU SSD Kit, 7.68 TB SAS RI SSD Kit
Power Supplies	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 Platinum Hot Plug Low Halogen Power Supply Kit
	HPE 1800W-2200W Flex Slot Titanium Hot Plug Power Supply Kit
	HPE 1600W Flex Slot -48VDC Hot Plug Power Supply Kit
	HPE 800W Flex Slot Platinum Hot Plug Low Halogen 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 or 5 year HPE SimpliVity 380 Gen12 solution support (required)
Licenses	Socket based Term license - 3 Year, 5 Year
Standard Unit of Measure	Usable Capacity TiB

HPE SimpliVity 380 Gen11	
Node Size	2U
Processors	Powered by - 5th Gen Intel® Xeon® Scalable Processors 8 to 64 cores selectable, 1 or 2 CPU options
Memory	Up to 8 TB
Hypervisor	HPE Morpheus Software — VM essentials OR Broadcom VMware
Boot Controller	Choice of Smart Array MR216i-p, MR216i-o or NS204i-p boot controllers
Boot Disks	480 GB SSD Boot disks (Not required with NS204i-p)
Storage	HPE SimpliVity 1.92TB SATA 6G Read Intensive SFF BC Multi Vendor SSD
	HPE SimpliVity 3.84TB SATA 6G Read Intensive SFF BC Multi Vendor SSD
	HPE 7.68TB SATA 6G Read Intensive SFF BC Multi Vendor SSD
Power Supplies	HPE 800 W, 1000 W, 1600 W, 1800-2200 W Flex slot power supply Kit - Please refer to the below configuration section for the options
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 380 Gen11 solution support (required)
Licenses	Socket based Term license - 3 Year, 5 Year

Standard Features

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. 800 W power supplies are only supported with specific configurations.

Benefits

HPE InfoSight for HPE SimpliVity enables predictive data analytics

For HPE SimpliVity nodes HPE InfoSight is free with no license requirements and 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.

It now supports HPE InfoSight for Server Integration for HPE SimpliVity combining the machine learning and predictive analytics of HPE InfoSight with the health and performance monitoring of Active Health System (AHS) and HPE iLO to optimize performance, predict, and prevent problems. This provides automatic collection and analysis of the sensor and telemetry data (for heat fans, DIMMS as examples) from AHS to derive insights from the behaviors of the install base to provide recommendations to resolve problems and improve performance.

Fully integrated system

Combines x86 resources, storage, and storage networking in a single 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. 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

Drastically reduce the need to purchase multiple discrete components, optimize storage capacity with guaranteed 10:1 data efficiency, and prevent over-provisioning for performance and capacity with on-demand expansion.

Cloud storage

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

Standard Features

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 StoreOnce also provides Data Immutability for better protection against ransomware attacks

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Software Overview

Pre-integrated Software

- HPE SimpliVity Startup Wizard

Virtualization Platform Software and Licenses

Broadcom VMware

- HPE SimpliVity 380 Gen12 supports VMware vSphere ESXi
- VMware vSphere installation media is required to complete the installation when ordering HPE SimpliVity 380 Gen11
- Valid licenses for the following VMware software components are required when ordering HPE SimpliVity 380 nodes
  - VMware vSphere license(s) per node: customer to procure from authorized distributor
  - VMware vCenter license: customer to procure from authorized distributor

HPE Morpheus Software - VM essentials

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

Management

HPE Morpheus Software - VM essentials

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

Broadcom VMware

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

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 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/completecare

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

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

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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

Service and Support

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/

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

GreenLake 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, GreenLake 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

Service and Support

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

HPE SimpliVity 380 Gen12: Overview for New System

Use the following steps to order a new HPE SimpliVity 380 Gen12 system:

- **Step 1**: Begin with the selection of Node Quantity & 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

Action:

- Select the Node Quantity & Hypervisor option
  - HPE SimpliVity FIO Software for VMware
  - HPE SimpliVity with Morpheus Software - Essentials FIO Software

Description	SKU
HPE SimpliVity 380 Gen12 EDSFF Configure-to-order Node	S8J33A
HPE SimpliVity FIO Software for VMware	S8K52A
HPE SimpliVity with Morpheus Software - essentials FIO Software	S8K53A

Step 2: Select the license Term

Description	SKU
HPE SimpliVity 380 Gen12 1 Processor 1-year E-LTU	S8K54AAE
HPE SimpliVity 380 Gen12 2 Processors 1-year E-LTU	S8K55AAE
HPE SimpliVity 380 Gen12 1 Processor 3-year E-LTU	S8K56AAE
HPE SimpliVity 380 Gen12 2 Processors 3-year E-LTU	S8K57AAE
HPE SimpliVity 380 Gen12 1 Processor 5-year E-LTU	S8K58AAE
HPE SimpliVity 380 Gen12 2 Processors 5-year E-LTU	S8K59AAE

Notes:

- The E-LTU SKUs are not user selectable, and it will be added by the configurator depending on the year selected
- Qty 1 per node will be added automatically

Step 3. Select the hardware options

1. **6th Gen Granite Rapids CPU**

Description	SKU
Intel Xeon 6517P 3.2GHz 16-core 190W Processor for HPE	P74507-B21
Intel Xeon 6527P 3.0GHz 24-core 255W Processor for HPE	P74570-B21
Intel Xeon 6725P 3.7GHz 16-core 235W Processor for HPE	P87302-B21
Intel Xeon 6730P 2.5GHz 32-core 250W Processor for HPE	P74573-B21

Configuration Information

Description	SKU
Intel Xeon 6736P 2.0GHz 36-core 205W Processor for HPE	P74575-B21
Intel Xeon 6737P 2.9GHz 32-core 270W Processor for HPE	P74576-B21
Intel Xeon 6745P 3.1GHz 32-core 300W Processor for HPE	P81591-B21
Intel Xeon 6747P 2.7GHz 48-core 330W Processor for HPE	P73831-B21
Intel Xeon 6762P 2.9GHz 64-core 350W Processor for HPE	P90157-B21
Intel Xeon 6767P 2.4GHz 64-core 350W Processor for HPE	P73834-B21
Intel Xeon 6787P 2.0GHz 86-core 350W Processor for HPE	P73837-B21
Intel Xeon 6515P 2.3GHz 16-core 150W Processor for HPE	P74506-B21
Intel Xeon 6520P 2.4GHz 24-core 210W Processor for HPE	P74568-B21
Intel Xeon 6530P 2.3GHz 32-core 225W Processor for HPE	P74571-B21
Intel Xeon 6740P 2.1GHz 48-core 270W Processor for HPE	P73829-B21
Intel Xeon 6760P 2.2GHz 64-core 330W Processor for HPE	P73832-B21

2. DDR5-6400 Registered DIMMs (RDIMMs)

Description	SKU
HPE 32GB (1x32GB) Dual Rank x8 DDR5-6400 CAS-52-52-52 EC8 Registered Smart FIO Memory Kit	P69727-F21
HPE 64GB (1x64GB) Dual Rank x4 DDR5-6400 CAS-52-52-52 EC8 Registered Smart FIO Memory Kit	P69728-F21
HPE 96GB (1x96GB) Dual Rank x4 DDR5-6400 CAS-52-52-52 EC8 Registered Smart FIO Memory Kit	P69729-F21
HPE 128GB (1x128GB) Dual Rank x4 DDR5-6400 CAS-52-52-52 EC8 Registered Smart FIO Memory Kit	P69730-F21
HPE 256GB (1x256GB) Quad Rank x4 DDR5-6400 CAS-60-52-52 EC8 Registered 3DS Smart FIO Memory Kit	P73447-F21

Notes:

- Please select one or more memory from above.
- For details on the Memory Population Rules and Guidelines with AMD EPYC™ 9005 series processors, please go to https://www.hpe.com/us/en/collaterals/collateral.a50004302enw.html
- Minimum 192 GB GB memory must be configured per node
- DDR6400 RDIMMs can support up to 8 TB
- Mixing of x4 & x8 memory is not allowed

3. Boot device

Description	SKU
HPE NS204i-u v2 960GB NVMe Hot Plug Boot Optimized Storage Device	P81160-B21
HPE ProLiant Compute Gen12 NS204i-u Front Enablement Kit	P74759-B21

Notes: The Boot device SKU and necessary accessories are not user selectable and will be added by default

4. SAS Controller/ Data Controller

Description	SKU
HPE MR416i-o Gen11 x16 Lanes 8GB Cache OCP SPDM Storage Controller	P47781-B21
HPE MR416i-p Gen11 x16 Lanes 8GB Cache PCI SPDM Plug-in Storage Controller	P47777-B21

Notes: User must select qty 1 of Storage controller from the above options

Configuration Information

5. Storage Drives

Description	SKU
HPE SimpliVity 1.92TB SAS 12G Read Intensive SFF BC Value SAS Multi Vendor SSD	S8J35A
HPE SimpliVity 3.84TB SAS 12G Read Intensive SFF BC Value SAS Multi Vendor SSD	S8J38A
HPE SimpliVity 7.68TB SAS 12G Read Intensive SFF BC Value SAS Multi Vendor SSD	S8J41A
HPE SimpliVity 1.92TB SAS 24G Read Intensive SFF BC Multi Vendor SSD	S8J36A
HPE SimpliVity 3.84TB SAS 24G Read Intensive SFF BC Multi Vendor SSD	S8J39A
HPE SimpliVity 7.68TB SAS 24G Read Intensive SFF BC Multi Vendor SSD	S8J42A
HPE SimpliVity 1.92TB SAS 12G Mixed Use SFF BC Value SAS Multi Vendor SSD	S8J37A
HPE SimpliVity 3.84TB SAS 12G Mixed Use SFF BC Value SAS Multi Vendor SSD	S8J40A
HPE SimpliVity 6.4TB SAS 24G Mixed Use SFF BC Multi Vendor SSD	S8J43A

Drive Configurations:

Resiliency	SAS MU	SAS RI	Drive Config	Usable Capacity (TiB)
FTT1	4	6	4 x 1.92 + 6 x 1.92	11
FTT1	4	8	4 x 1.92 + 8 x 1.92	13
FTT1	4	6	4 x 3.84 + 6 x 3.84	22
FTT1	4	8	4 x 3.84 + 8 x 3.84	28
FTT1	4	6	4 x 6.4 + 6 x 7.68	46
FTT1	4	8	4 x 6.4 + 8 x 7.68	54

Notes:

- The listed configuration is supported with both HPE Morpheus Software -VM essentials and Broadcom VMware.
- The usable capacities are approximately and rounded to near zero. For actual capacities please refer to HPE SimpliVity sizer.
- HPE ProLiant Compute DL380 Gen12 supports only FTT1 – Single Disk resiliency

Tracking SKUs

Description	SKU
HPE SimpliVity 380 Gen12 1.6/1.92TB 10 SSD FIO Tracking	S8K31A
HPE SimpliVity 380 Gen12 1.6/1.92TB 12 SSD FIO Tracking	S8K32A
HPE SimpliVity 380 Gen12 3.2/3.84TB 10 SSD FIO Tracking	S8K34A
HPE SimpliVity 380 Gen12 3.2/3.84TB 12 SSD FIO Tracking	S8K35A
HPE SimpliVity 380 Gen12 6.4/7.68TB 10 SSD FIO Tracking	S8K37A
HPE SimpliVity 380 Gen12 6.4/7.68TB 12 SSD FIO Tracking	S8K38A

Notes:

- FIO tracking SKUs for SSD configurations.
- This item is not user-selectable and will be automatically included depending on configuration selected.

6. Power Supplies

Description	SKU
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

Configuration Information

Description	SKU
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
HPE 1600W Flex Slot -48VDC Hot Plug Power Supply Kit	P17023-B21

Notes:

Refer to HPE ProLiant Compute 380 Gen12 QuickSpecs for additional information

7. Networking

PCIe NIC Adapters

Description	SKU
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 BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	P26264-B21
Broadcom BCM57414 Ethernet 10/25Gb 2-port SFP28 Adapter for HPE	P26262-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
Xilinx X2522-25G-PLUS Ethernet 10/25Gb 2-port SFP28 Adapter for HPE	P21109-B21
Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE	P42044-B21
Mellanox MCX623106AS-CDAT Ethernet 100Gb 2-port QSFP56 Adapter for HPE	P25960-B21
Broadcom BCM57608 Ethernet 100Gb 2-port QSFP112 Adapter for HPE	P73111-B21
Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	P21112-B21
NVIDIA Ethernet 10/25Gb 2-port SFP28 NVMe-oF Crypto Adapter for HPE	S2A69A
NVIDIA Ethernet 100Gb 2-port NVMe-oF Offload Adapter for HPE	R8M41A

OCP Network Adapters

Description	SKU
Broadcom BCM5719 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	P51181-B21
Intel E610-IT4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	P79833-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-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE	P10106-B21
Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE	P41614-B21
Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE	P42041-B21
Broadcom BCM57608 Ethernet 100Gb 2-port QSFP112 OCP3 Adapter for HPE	P73114-B21

Fiber Channel

Description	SKU
HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	R2E08A
HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	R2E09A
HPE SN1700Q 64Gb 1-port Fibre Channel Host Bus Adapter	R7N86A

Configuration Information

Description	SKU
HPE SN1700Q 64Gb 2-port Fibre Channel Host Bus Adapter	R7N87A
HPE SN1620E 32Gb 2p FC SecureHBA	S4S01A
HPE SN1720E 64Gb 2p FC SecureHBA	S4T09A

8. **Graphic Options**

Description	SKU
NVIDIA L4 24GB PCIe Accelerator for HPE	S0K89C
NVIDIA RTX A1000 8GB PCIe Accelerator for HPE	S5T74C
NVIDIA L40S 48GB PCIe Accelerator	S2L70C

Step 4: The Software license that corresponds to the node configuration will be automatically added

Description	SKU
HPE SimpliVity 380 Gen12 1 Processor Low 3-year E-LTU	S8K62AAE
HPE SimpliVity 380 Gen12 2 Processors Low 3-year E-LTU	S8K63AAE
HPE SimpliVity 380 Gen12 1 Processor Low 5-year E-LTU	S8K64AAE
HPE SimpliVity 380 Gen12 2 Processors Low 5-year E-LTU	S8K65AAE
HPE SimpliVity 380 Gen12 1 Processor High 3-year E-LTU	S8K68AAE
HPE SimpliVity 380 Gen12 2 Processors High 3-year E-LTU	S8K69AAE
HPE SimpliVity 380 Gen12 1 Processor High 5-year E-LTU	S8K70AAE
HPE SimpliVity 380 Gen12 2 Processors High 5-year E-LTU	S8K71AAE

HPE SimpliVity Software

CPU	Drive Config	License Quantity/ Usable Capacity (TiB)	License SKU [3 years]	License SKU [5 years]
1 CPU	4 x 1.92 + 6 x 1.92	11	S8K62AAE	S8K64AAE
	4 x 1.92 + 8 x 1.92	13	S8K62AAE	S8K64AAE
	4 x 3.84 + 6 x 3.84	22	S8K62AAE	S8K64AAE
	4 x 3.84 + 8 x 3.84	28	S8K62AAE	S8K64AAE
	4 x 6.4 + 6 x 7.68	46	S8K68AAE	S8K70AAE
	4 x 6.4 + 8 x 7.68	54	S8K68AAE	S8K70AAE
2 CPU	4 x 1.92 + 6 x 1.92	11	S8K63AAE	S8K65AAE
	4 x 1.92 + 8 x 1.92	13	S8K63AAE	S8K65AAE
	4 x 3.84 + 6 x 3.84	22	S8K63AAE	S8K65AAE
	4 x 3.84 + 8 x 3.84	28	S8K63AAE	S8K65AAE
	4 x 6.4 + 6 x 7.68	46	S8K69AAE	S8K71AAE
	4 x 6.4 + 8 x 7.68	54	S8K69AAE	S8K71AAE

Notes:

- License quantity is based on the usable capacity (TiB) of the deployment.
- Configurations up to 24 Usable TiB drives are classified as Low Tier; configurations above 24 Usable TiB drives are classified as High Tier.

HPE SimpliVity 380 Gen11: Overview for New System

Use the following steps to order a new HPE SimpliVity 380 Gen11 system: processors, memory, storage, networking, power, other optional HW

- **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
  - S2V30C – HPE SimpliVity 380 Gen11 Node SKU
  - S6C61A - HPE SimpliVity FIO SW VMware
  - S6C62A – HPE SimpliVity FIO SW VM Essentials
- User selection required for license Term

Description	SKU
HPE SimpliVity 380 Gen11 8SFF Configure-to-order Node	S2V30C
HPE SimpliVity FIO Software for VMware	S6C61A
HPE SimpliVity FIO Software for VM Essentials	S6C62A
HPE SimpliVity 380 Gen11 Configure-to-order Solution Tracking	S2V22C
HPE SimpliVity 380 Gen11 1 Processor 3-year E-LTU	S6C67AAE
HPE SimpliVity 380 Gen11 2 Processors 3-year E-LTU	S6C68AAE
HPE SimpliVity 380 Gen11 1 Processor 5-year E-LTU	S6C71AAE
HPE SimpliVity 380 Gen11 2 Processors 5-year E-LTU	S6C72AAE

Notes: Please note the E-LTU SKUs are not user selectable. Depending on the CPU configured, one of the two E-LTUs will be added by the configurator for the SW licensing.

Step 2: Select the hardware options to add to the base node

Notes: At least 1 Disk resiliency SKU is needed

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

Notes: Currently HPE SimpliVity with HPE Morpheus Software — VM essentials only supports Single Disk Resiliency

Configuration Information

Processors

5th Generation Intel® Xeon® Scalable Processors

Action:

- Select CPUs for the node

Platinum	SKU
Intel Xeon-Platinum 8558 2.1GHz 48-core 330W Processor for HPE	P67097-B21
Intel Xeon-Platinum 8558P 2.7GHz 48-core 350W Processor for HPE	P67108-B21
Intel Xeon-Platinum 8558U 2.0GHz 48-core 300W Processor for HPE	P67102-B21
Intel Xeon-Platinum 8562Y+ 2.8GHz 32-core 300W Processor for HPE	P67085-B21
Intel Xeon-Platinum 8568Y+ 2.3GHz 48-core 350W Processor for HPE	P67086-B21
Intel Xeon-Platinum 8570 2.1GHz 56-core 350W Processor for HPE	P67087-B21
Intel Xeon-Platinum 8580 2.0GHz 60-core 350W Processor for HPE	P67088-B21
Intel Xeon-Platinum 8581V 2.0GHz 60-core 270W Processor for HPE	P67109-B21
Intel Xeon-Platinum 8592V 2.0GHz 64-core 330W Processor for HPE	P67107-B21
Intel Xeon-Platinum 8592+ 1.9GHz 64-core 350W Processor for HPE	P67089-B21

Gold	SKU
Intel Xeon-Gold 5515+ 3.2GHz 8-core 165W Processor for HPE	P67079-B21
Intel Xeon-Gold 5520+ 2.2GHz 28-core 205W Processor for HPE	P67094-B21
Intel Xeon-Gold 6526Y 2.8GHz 16-core 195W Processor for HPE	P67080-B21
Intel Xeon-Gold 6530 2.1GHz 32-core 270W Processor for HPE	P67095-B21
Intel Xeon-Gold 6534 3.9GHz 8-core 195W Processor for HPE	P67083-B21
Intel Xeon-Gold 6538Y+ 2.2GHz 32-core 225W Processor for HPE	P67096-B21
Intel Xeon-Gold 6542Y 2.9GHz 24-core 250W Processor for HPE	P67081-B21
Intel Xeon-Gold 6544Y 3.6GHz 16-core 270W Processor for HPE	P67084-B21
Intel Xeon-Gold 6548Y+ 2.5GHz 32-core 250W Processor for HPE	P67082-B21
Intel Xeon-Gold 6554S 2.2GHz 36-core 270W Processor for HPE	P67110-B21

Silver	SKU
Intel Xeon-Silver 4509Y 2.6GHz 8-core 125W Processor for HPE	P67090-B21
Intel Xeon-Silver 4510 2.4GHz 12-core 150W Processor for HPE	P67091-B21
Intel Xeon-Silver 4514Y 2.0GHz 16-core 150W Processor for HPE	P67092-B21
Intel Xeon-Silver 4516Y+ 2.2GHz 24-core 185W Processor for HPE	P67093-B21

Notes: All Intel Xeon 5th Gen processors require PC5-5600B Memory.

Memory

Action:

- Select a memory capacity for the node
- The appropriate memory and quantity will be included by the configurator
- 1 Kit required per CPU

Configuration Information

DDR5 Registered DIMMs (RDIMMs) → DDR5-5600 for Intel 5th Gen Xeon Processors (Emerald Rapids)	SKU
HPE 16GB (1x16GB) Single Rank x8 DDR5-5600 CAS-46-45-45 EC8 Registered Smart Memory Kit	P64705-B21
HPE 32GB (1x32GB) Dual Rank x8 DDR5-5600 CAS-46-45-45 EC8 Registered Smart Memory Kit	P64706-B21
HPE 64GB (1x64GB) Dual Rank x4 DDR5-5600 CAS-46-45-45 EC8 Registered Smart Memory Kit	P64707-B21

Notes:

- Please note Intel 5th Gen Xeon Processor supports DDR-5600 Memory Kits only
- For more information go to: http://www.HPE.com/docs/memory-population-rules

Boot SSD Drives	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-u Controller, there is no need to select boot SSDs since NS204i-u it comes with NVMe drives.

Storage Controllers	SKU
HPE SR932i-p Gen11 x32 Lanes 8GB Wide Cache PCI SPDM Plug-in Storage Controller	P47184-B21

Notes: User must select qty1 of the same type of Storage controller from the above options

Storage Drives	SKU
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

Notes: User must select qty1 of the same type of Storage controller from the above options

1.92 TB SSD Options

- **If S2V30C Broadcom VMware Hypervisor is selected**
  Qty 6, 8, 9,12, 16 of S1J89A is selectable for HPE SimpliVity 380 Gen11
- **If S2V30CHPE Morpheus Software — VM essentials Hypervisor is selected**
  Qty 6, 8 of S1J89A is selectable for HPE SimpliVity 380 Gen11

3.84 TB SSD Options

- **If S2V30C Broadcom VMware Hypervisor is selected**
  Qty 6, 8, 9,12, 16 of S1J89A is selectable for HPE SimpliVity 380 Gen11
- **If S2V30C HPE Morpheus Software — VM essentials Hypervisor is selected**
  Qty 6, 8 of S1J89A is selectable for HPE SimpliVity 380 Gen11

Configuration Information

7.68 TB SSD Options

- **If S2V30C Broadcom VMware Hypervisor is selected**
  Qty 6, 8, 9,12, 16 of S1J89A is selectable for HPE SimpliVity 380 Gen11
- **If S2V30C HPE Morpheus Software — VM essentials Hypervisor is selected**
  Qty 6, 8 of S1J89A is selectable for HPE SimpliVity 380 Gen11

Notes: Some configurations may require exception approval

Storage Options for Broadcom VMware

SSD Configs	Resiliency	*Approx. Usable capacity (TB)
6 x1.92 TB	FTT1	8.0
6 x1.92 TB	FTT2	6.0
8 x1.92 TB	FTT1	11.0
9 x1.92 TB	FTT2	9.0
12 x1.92 TB	FTT1	15.0
12 x1.92 TB	FTT2	12.0
16 x1.92 TB	FTT1	21.0
6 x3.84 TB	FTT1	15.0
6 x3.84 TB	FTT2	12.0
8 x3.84 TB	FTT1	21.0
9 x3.84 TB	FTT2	19.0
12 x3.84 TB	FTT1	31.0
12 x3.84 TB	FTT2	23.0
16 x3.84 TB	FTT1	43.0
6 x7.68 TB	FTT1	30.0
6 x7.68 TB	FTT2	23.0
8 x7.68 TB	FTT1	43.0
9 x7.68 TB	FTT2	39.0
12 x7.68 TB	FTT1	62.0
12 x7.68 TB	FTT2	47.0
16 x7.68 TB	FTT1	86.0

Storage Options for HPE Morpheus Software – VM essentials

SSD Configs	Resiliency	*Approx. Usable capacity (TB)
6 x1.92 TB	FTT1	8.0
8 x1.92 TB	FTT1	11.0
6 x3.84 TB	FTT1	15.0
8 x3.84 TB	FTT1	21.0
6 x7.68 TB	FTT1	30.0
8 x7.68 TB	FTT1	43.0

Configuration Information

Notes:

- 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 SimpliVity Sizer

Power Supplies

Description	SKU
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 Platinum Hot Plug Low Halogen Power Supply Kit	P38997-B21
HPE 1600W Flex Slot -48VDC Hot Plug Power Supply Kit	P17023-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 whip 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

Networking

PCIe NIC Adapters

	SKU
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
Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	P21106-B21
Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	P21112-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
Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE	P42044-B21
Mellanox MCX623106AS-CDAT Ethernet 100Gb 2-port QSFP56 Adapter for HPE	P25960-B21
Broadcom BCM5719 Ethernet 1Gb 4-port BASE-T Adapter for HPE	P51178-B21

OCP Network Adapters

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

Configuration Information

Description	SKU
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	SKU
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

Notes:

- Please refer to the ProLiant Gen11 QuickSpecs - https://www.HPE.com/psnow/doc/a50004307enw.pdf?jumpid=in_pdp-psnow-qs
- All the HBA cards to be managed outside of SimpliVity manageability and orchestration.

Networking Upgrades	SKU
HPE ProLiant DL3XX Gen11 OCP1 x16 Enablement Kit	P48827-B21
HPE ProLiant DL3XX Gen11 OCP2 x16 Enablement Kit	P48828-B21
HPE ProLiant DL3XX Gen11 CPU2 to OCP2 x8 Enablement Kit	P48830-B21
HPE ProLiant DL360 Gen11 CPU1 to OCP2 x8 Enablement Kit	P51911-B21

Graphics	SKU
NVIDIA A16 64GB PCIe Non-CEC Accelerator for HPE	R8T26C
NVIDIA L4 24GB PCIe Accelerator for HPE	S0K89C
NVIDIA L40 48GB PCIe Accelerator for HPE	S0K90C
NVIDIA L40S 48GB PCIe Accelerator	S2L70C

Notes: For NVIDIA H100 & L40S support please reach out to HPE representative

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 and Qty of drives in the node, the appropriate software will be included by the configurator.

New SimpliVity license is based on the incremental factor of 1.92

- For every 1.92 TB SSD- Qty 1 of license SKU is added
- For every 3.84 TB SSD- Qty 2 of license SKU is added
- For every 7.68 TB SSD- Qty 4 of license SKU is added

Configuration Information

Description	SKU	Drive Configs	Qty
HPE SimpliVity 380 Gen11 1 Processor Low 3-year E-LTU	S6C81AAE	6x 1.92 TB	6
		8x 1.92 TB	8
		9x 1.92 TB	9
		12x 1.92 TB	12
		16x 1.92 TB	16
		6x 3.84 TB	12
		8x 3.84 TB	16
HPE SimpliVity 380 Gen11 1 Processor High 3-year E-LTU	S6C82AAE	9x 3.84 TB	18
		12x 3.84 TB	24
		16x 3.84 TB	32
		6x 7.68 TB	24
		8x 7.68 TB	32
		9x 7.68 TB	36
		12x 7.68 TB	48
		16x 7.68 TB	64
HPE SimpliVity 380 Gen11 2 Processors Low 3-year E-LTU	S6C83AAE	6x 1.92 TB	6
		8x 1.92 TB	8
		9x 1.92 TB	9
		12x 1.92 TB	12
		16x 1.92 TB	16
		6x 3.84 TB	12
		8x 3.84 TB	16
HPE SimpliVity 380 Gen11 2 Processors High 3-year E-LTU	S6C84AAE	9x 3.84 TB	18
		12x 3.84 TB	24
		16x 3.84 TB	32
		6x 7.68 TB	24
		8x 7.68 TB	32
		9x 7.68 TB	36
		12x 7.68 TB	48
		16x 7.68 TB	64
HPE SimpliVity 380 Gen11 1 Processor Low 5-year E-LTU	S6C89AAE	6x 1.92 TB	6
		8x 1.92 TB	8
		9x 1.92 TB	9
		12x 1.92 TB	12
		16x 1.92 TB	16
		6x 3.84 TB	12
		8x 3.84 TB	16

Configuration Information

Description	SKU	Drive Configs	Qty
HPE SimpliVity 380 Gen11 1 Processor High 5-year E-LTU	S6C90AAE	9x 3.84 TB	18
		12x 3.84 TB	24
		16x 3.84 TB	32
		6x 7.68 TB	24
		8x 7.68 TB	32
		9x 7.68 TB	36
		12x 7.68 TB	48
		16x 7.68 TB	64
HPE SimpliVity 380 Gen11 2 Processors Low 5-year E-LTU	S6C91AAE	6x 1.92 TB	6
		8x 1.92 TB	8
		9x 1.92 TB	9
		12x 1.92 TB	12
		16x 1.92 TB	16
		6x 3.84 TB	12
		8x 3.84 TB	16
HPE SimpliVity 380 Gen11 2 Processors High 5-year E-LTU	S6C92AAE	9x 3.84 TB	18
		12x 3.84 TB	24
		16x 3.84 TB	32
		6x 7.68 TB	24
		8x 7.68 TB	32
		9x 7.68 TB	36
		12x 7.68 TB	48
		16x 7.68 TB	64

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 the required Qty automatically.
- HPE Simplivity SW licensing is based on a calculation factor of 1.92 units.
- For every 1Qty of 1.92 TB SSD 1 Qty of license is added; for every 1Qty of 3.84 TB SSD 2 Qty of licenses are added.
- Low count refers to calculation factor of 1.92 with Qty less than or equal to 16
- High count refers to calculation factor of 1.92 with Qty more than 16

Examples on how the license SKUs are derived/denoted:

Node Config	Licenses required
3 Year Term License	
1P	
1P 380 Gen 11 6 SSD 1.92 TB	1 Qty S6C67AAE & 6 Qty S6C81AAE
1P 380 Gen 11 6 SSD 3.84 TB	1 Qty S6C67AAE & 12 Qty S6C81AAE
1P 380 Gen 11 9 SSD 3.84 TB	1 Qty S6C67AAE & 18 Qty S6C82AAE
1P 380 Gen 11 12 SSD 3.84 TB	1 Qty S6C67AAE & 24 Qty S6C82AAE
1P 380 Gen 11 12 SSD 7.68 TB	1 Qty S6C67AAE & 48 Qty S6C82AAE
2P	
2P 380 Gen 11 6 SSD 1.92 TB -	1 Qty S6C68AAE & 6 Qty S6C83AAE
2P 380 Gen 11 6 SSD 3.84 TB	1 Qty S6C68AAE & 12 Qty S6C83AAE
2P 380 Gen 11 9 SSD 3.84 TB	1 Qty S6C68AAE & 18 Qty S6C84AAE
2P 380 Gen 11 12 SSD 3.84 TB	1 Qty S6C68AAE & 24 Qty S6C84AAE
2P 380 Gen 11 12 SSD 7.68 TB	1 Qty S6C68AAE & 48 Qty S6C84AAE

HPE SimpliVity 380 Gen10 Storage Expansion Overview for Broadcom VMware

Step 1: Start with the Expansion Kit SKU

Action: Select the Expansion SKU.

Description	SKU
HPE SimpliVity 380 Gen10 Expansion Kit	R1F85A

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.

Description	SKU
HPE SimpliVity 380 1 Processor Small to Medium Storage Upgrade E-LTU	R1F86AAE
HPE SimpliVity 380 2 Processors Small to Medium Storage Upgrade E-LTU	R1F88AAE
HPE SimpliVity 380 1 Processor Medium to Large Storage Upgrade E-LTU	R1F87AAE
HPE SimpliVity 380 2 Processors Medium to Large Storage Upgrade E-LTU	R1F89AAE

If a CPU add-on is needed, choose from the SW license below that correlate to the desired configuration for adding a second CPU

Action: Select the appropriate SW license if you would like to add a second CPU to an existing 1P SimpliVity 380 node.

Description	SKU
HPE SimpliVity 380 Additional Processor Extra Small Storage Upgrade E-LTU	R1F90AAE
HPE SimpliVity 380 Additional Processor Small Storage Upgrade E-LTU	R1F91AAE
HPE SimpliVity 380 Additional Processor Medium Storage Upgrade E-LTU	R1F92AAE
HPE SimpliVity 380 Additional Processor Large Storage Upgrade E-LTU	R1F93AAE
HPE SimpliVity 380 Additional Processor Extra Large Storage Upgrade E-LTU	R1F94AAE

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

Action: Select the appropriate storage upgrade kits based on the desired storage expansion configuration.

Description	SKU
HPE SimpliVity 1.92TB SATA 6G Read Intensive SFF SC Multi Vendor SSD	S1J84A
HPE SimpliVity 1.92TB SATA 6G Read Intensive SFF SC Multi Vendor SSD	S1J84A
HPE SimpliVity 1.92TB SATA 6G Mixed Use SFF SC Multi Vendor SSD	S1J92A
HPE SimpliVity 1.92TB SATA 6G Mixed Use SFF SC Multi Vendor SSD	S1J92A

Action: Select these storage option if upgrading from a Small to a Medium configuration

Action: Select the appropriate CPU for performing the CPU add-on to your existing 1P SimpliVity 380 nodes (from the list at the top of the QuickSpecs)

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.

HPE SimpliVity 380 G: Storage Expansion/CPU add-on Overview

Use the following steps to expand Storage or perform a CPU add-on for your existing SimpliVity 380 G node:

- **Step 1:** Start with the Expansion SKU
- **Step 2:** Add the SW license that correlates to either a storage expansion or a CPU add-on configuration
- **Step 3:** Select the hardware options to add either the storage drive kits or additional CPU and memory
- **Step 4:** Select service and support to perform the storage upgrade, migration, install and redeployment

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Step 1: Start with the Expansion Kit SKU

Action: Select the Expansion SKU then select ONLY ONE of the Disk Resiliency SKUs

Description	SKU
HPE SimpliVity 380 Gen10 G Expansion Kit	R6U13A
HPE SimpliVity Node Tracking with Dual Disk Resiliency	R9Z79A
HPE SimpliVity Node Tracking with Single Disk Resiliency	R9Z80A

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

- 380G x6 SSD >380G x8 SSD
- 380G x6 SSD > 380G x9 SSD
- 380G x6 SSD > 380G x12 SSD
- 380G x6 SSD > 380G x16 SSD
- 380G x6 SSD > 380G x18 SSD
- 380G x8 SSD > 380G x24 SSD
- 380G x8 SSD > 380G x9 SSD
- 380G x8 SSD > 380G x12 SSD
- 380G x8 SSD > 380G x16 SSD
- 380G x8 SSD > 380G x18 SSD
- 380G x8 SSD > 380G x24 SSD
- 380G x9 SSD > 380G x12 SSD
- 380G x9 SSD > 380G x18 SSD
- 380G x9 SSD > 380G x24 SSD
- 380G x12 SSD > 380G x16 SSD
- 380G x12 SSD > 380G x18 SSD
- 380G x12 SSD > 380G x24 SSD
- 380G x16 SSD > 380G x18 SSD
- 380G x16 SSD > 380G x24 SSD
- 380G x18 SSD > 380G x24 SSD

If a CPU add-on is needed, choose from the SW license below that correlates to the desired configuration for adding a second CPU
Action: Select the appropriate SW license if you would like to add a second CPU to an existing 1P SimpliVity 380 G node.

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

Action: Select the appropriate SSD quantities based on the desired storage expansion configuration	**SKU**
HPE SimpliVity 1.92TB SATA 6G Read Intensive SFF SC Multi Vendor SSD	S1J84A
HPE SimpliVity 1.92TB SATA 6G Mixed Use SFF SC Multi Vendor SSD	S1J92A

Action: Select the appropriate CPU for performing the CPU add-on to your existing 1P SimpliVity 380 nodes (from the list at the top of the QuickSpecs)

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.

Physical Dimensions

– 2U form factor: 3.44 x 26.75 x 17.54 in (8.73 x 67.94 x 44.54 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. To recycle your product, please go to: http://www.HPE.com/info/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.

Summary of Changes

Date	Version History	Action	Description of Change
08-Sep-2026	Version 39	Changed	Overall, this version strengthens the product's positioning by emphasizing modernization, flexibility, operational simplicity, resilience, and long-term lifecycle value. – The visible updates reposition HPE SimpliVity 380 as a refreshed Gen12 hyperconverged platform built on the HPE ProLiant Compute DL380 Gen12 architecture. – The changes modernize the product story with 6th Gen Intel Xeon processors, updated memory, controller, iLO, storage, and networking capabilities, while expanding customer choice through support for both Broadcom VMware and HPE Morpheus Software — VM Essentials. – The update also advances the software value proposition with HPE SimpliVity Software 7.0, enhanced resiliency and data protection capabilities, clearer Gen12 configuration and licensing guidance, and broader HPE Services integration.
		Removed	Obsolete or not supported SKUs removed - P64709-B21, P64710-B21, S1T66C, 804338-B21, S1N25AAE, S1N26AAE, S1N27AAE, S1N28AAE, S1N29AAE, S1N30AAE, S1N31AAE, S1N32AAE, S1N33AAE, S1N34AAE, S1N35AAE, S1N36AAE, S1N37AAE, S1N38AAE, S1N39AAE, S1N40AAE, S1N41AAE, S1N42AAE, S1N43AAE, S1N44AAE, S1N45AAE, S1N67AAE, S1N68AAE, S1N69AAE, S1N70AAE, S1N71AAE, S1N72AAE, S1N73AAE, S1N74AAE, S1N75AAE, S1N76AAE, S1N77AAE, S1N78AAE, S1N79AAE, S1N80AAE, S1N81AAE, S1N82AAE, S1N83AAE, S1N84AAE, S1N85AAE, S1N86AAE, S1N87AAE
05-Feb-2026	Version 38	Added	Updated *End-of-life Management and Recycling* section; revised copyright year to 2026; updated footer with new version and date.
		Changed	Added SKUs for HPE SimpliVity FIO SW VMware (S6C61A) and HPE SimpliVity FIO SW VM Essentials (S6C62A) in *Step 1: Begin with the base node*; clarified configuration steps for hardware options in *Step 2*.
		Removed	Removed obsolete SKUs (S2V30A, S2V30B) and outdated references to Broadcom VMware support in *Step 1;* deleted redundant text in hardware options section.
25-Aug-2025	Version 37	Removed	Bullet removed from Hardware Features notes in Overview section.
07-Jul-2025	Version 36	Changed	Introducing hypervisor integration of HPE SimpliVity with HPE Morpheus Software — 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	Version 35	Changed	Standard Features and Configuration Information sections were updated
04-Nov-2024	Version 34	Changed	Overview, Standard Features, and Configuration Information sections were updated
05-Aug-2024	Version 33	Changed	Overview, Standard Features, and Configuration Information sections were updated

Summary of Changes

Date	Version History	Action	Description of Change
28-Mar-2024	Version 32	Changed	Overview, Standard Features and Configuration Information sections were updated.
19-Jan-2024	Version 31	Changed	Configuration Information section was updated. VMware vSphere and vCenter SKUs were removed.
08-Jan-2024	Version 30	Changed	Overview, Standard Features, Service and Support and Configuration Information sections were updated.
10-Jul-2023	Version 29	Changed	Overview, Standard Features, Service and Support, Configuration Information, and Technical Specifications sections were updated
01-May-2023	Version 28	Changed	Overview, Configuration Information and Technical Specifications sections were updated
23-Jan-2023	Version 27	Changed	Format corrections applied Update QS name
07-Nov-2022	Version 26	Changed	Overview, Standard Features and Configuration Information sections were updated Obsolete SKUs were removed
05-Jul-2022	Version 25	Changed	Overview, Service and Support and Configuration Information sections were updated Obsolete SKU – Q0J62A - removed
06-Dec-2021	Version 24	Changed	Overview, Standard Features and Configuration Information sections were updated Storage Expansion Section - SKUs added in Configuration Information for 380 G Expansion Obsolete SKUs were deleted in Configuration Information
18-Oct-2021	Version 23	Changed	Service and Support Pointnext Tech Care and Complete Care information updated
06-Jul-2021	Version 22	Changed	Configuration Information section was updated. Obsolete SKUs were removed from the QuickSpecs.
01-Mar-2021	Version 21	Changed	Overview, Standard Features, Service and Support, and Configuration Information sections were updated.
08-Sep-2020	Version 20	Changed	Configuration Information section was updated.
03-Aug-2020	Version 19	Changed	Overview and Configuration Information sections were updated. New branding applied to document.
04-May-2020	Version 18	Changed	Overview, Standard Features, and Configuration Information sections were updated.
02-Mar-2020	Version 17	Changed	Overview and Configuration Information sections were updated.
03-Feb-2020	Version 16	Changed	Overview, Standard Features and Configuration Information sections were updated.
04-Nov-2019	Version 15	Changed	Overview, Standard Features, and Configuration Information sections were updated. Added HPE SimpliVity 380 Gen10 G Model with 8x SSD drivers, added new 10 TB SW Licenses and features for OmniStack Software v3.7.10
24-Oct-2019	Version 14	Added	Updated HPE SimpliVity 380 Gen10 sections

Summary of Changes

Date	Version History	Action	Description of Change
01-Jul-2019	Version 13	Changed	Overview and Configuration Information sections were updated
03-Jun-2019	Version 12	Changed	Added HPE SimpliVity 380 Gen10 G Model., Standard Features section was updated., obsolete SKUs were removed from the QuickSpecs. Service and Support section was updated.
18-Mar-2019	Version 11	Changed	Configuration Information section was updated.
		Added	SKUs added in Configuration Information: Q8A57A, Q8A58A, Q8A59A, Q8A60A, Q8A61A, Q8A62A, Q8A63A, Q8A64A, Q9J86A, Q9J87A.
		Removed	SKUs deleted in Configuration Information: Q8A57A, Q8A58A, Q8A59A, Q8A60A, Q8A61A, Q8A62A, Q8A63A, Q8A64A, Q9J86A, Q9J87A, Q8A65A, Q8A66A, Q8A67A, Q8A68A, Q8A69A, Q8A70A, Q8A71A, Q8A72A, Q9J88A, Q9J89A.
04-Mar-2019	Version 10	Changed	Overview, Standard Features, and Configuration sections were updated.
		Added	SKUs added in Configuration Information section (additional processors): 871619-L21, 869089-L21, 879423-L21, 871617-L21, 871618-L21, P00756-L21, 879424-L21, 869086-L21, 869088-L21, 871619-B21, 869089-B21, 879423-B21, 871617-B21, 871618-B21, P00756-B21, 879424-B21, 874752-B21, 873645-B21
04-Feb-2019	Version 9	Changed	Overview and Configuration Information sections were updated.
		Added	SKUs added in Configuration Information section: R1F85AAE, R1F86AAE, R1F88AAE, R1F87AAE, R1F89AAE, R1F90AAE, R1F91AAE, R1F92AAE, R1F93AAE, R1F94AAE, R1F81AAE, R1F82AAE, R1F83AAE, R1F84AAE, 804338-B21, 826691-B21, 826846-B21, 826848-B21, 826850-B21, 826852-B21, 826854-B21, 826856-B21, 826862-B21, 826866-B21, 826870-B21, 826878-B21, 826884-B21, 826888-B21, 876562-B21, 826886-B21, 826872-B21, 826860-B21, 826868-B21, 826874-B21, 869090-B21, 826890-B21, 826876-B21, 826882-B21, 826706-B21, R1Q89A, R1Q90A, R1Q91A, R1Q92A, R1Q93A, R1Q94A, R1Q95A, R1Q96A.
07-Jan-2019	Version 8	Changed	Configuration Information section was updated.
		Removed	SKUs were deleted: 871619-L21, 869089-L21, 879423-L21, 874762-L21, 871617-L21, 871618-L21.
05-Nov-2018	Version 7	Changed	Overview, and Configuration Information sections were updated.
		Added	SKUs added in Configuration Information: 764302-B21, Q0V80A.
		Removed	Obsolete SKUs were deleted in Configuration Information: J2R02A, J2R04A
07-May-2018	Version 6	Added	Standard Features and Configuration Information sections were updated.
05-Mar-2018	Version 5	Changed	Overview, Standard Features and Configuration Information sections were updated.
		Added	SKUs were added in Configuration Information section: 826872-B21, 826872-L21, 874762-B21, 874762-L21, Q9J90A, 700759-B21, 817749-B21, Q8A61A, Q8A62A, Q8A63A, Q8A64A, Q9J86A, Q9J87A, Q8A69A, Q8A70A, Q8A71A, Q8A72A, Q9J88A, Q9J89A.

Summary of Changes

Date	Version History	Action	Description of Change
04-Dec-2017	Version 4	Changed	Standard Features, Configuration Information, Service and Support, and Technical Specifications sections were updated.
		Added	SKUs were added in Configuration Information: 874762-L21, Q8D94A, Q5V86A, Q5V87A, Q5V88A, 811546-B21.
06-Nov-2017	Version 3	Changed	Changes made to the document
02-Oct-2017	Version 2	Changed	Changes made to the entire document
25-Sep-2017	Version 1	New	QuickSpecs created.

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