# QuickSpecs

## Overview

### HPE Apollo sx40 Server

The HPE Apollo sx40 Server features up to four NVIDIA® Tesla®GPUs with the high-bandwidth, energy-efficient interconnect NVIDIA NVLink™ to accelerate mixed-application HPC computing as well as deep learning workloads. NV Link enables increased GPU memory bandwidth and performance for deep learning workloads.

Optimize the server for required workloads by choosing from the available CPUs in the Intel® Xeon® Processor Scalable Family, up to twelve 2666 MT/s DDR4 DIMMs, optional network adapters, and up to two SFF hard drives or solid state drives
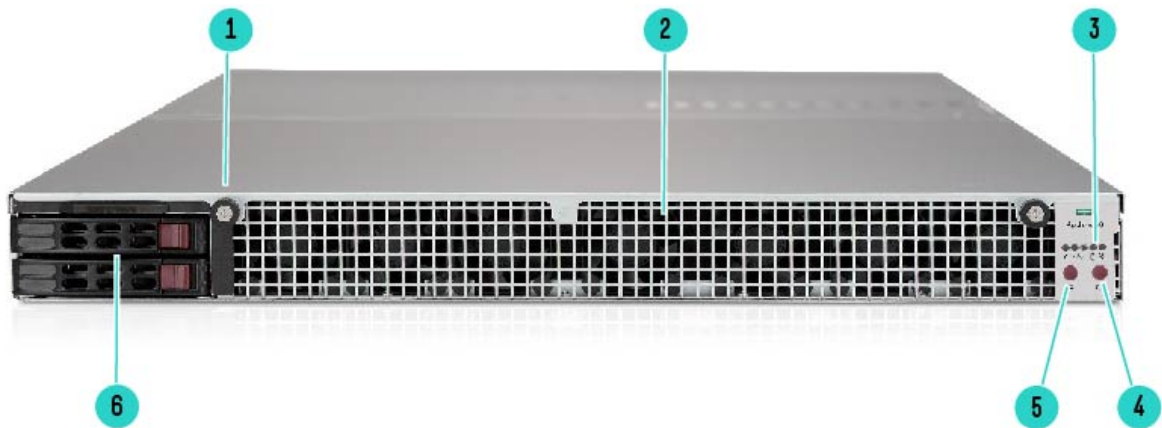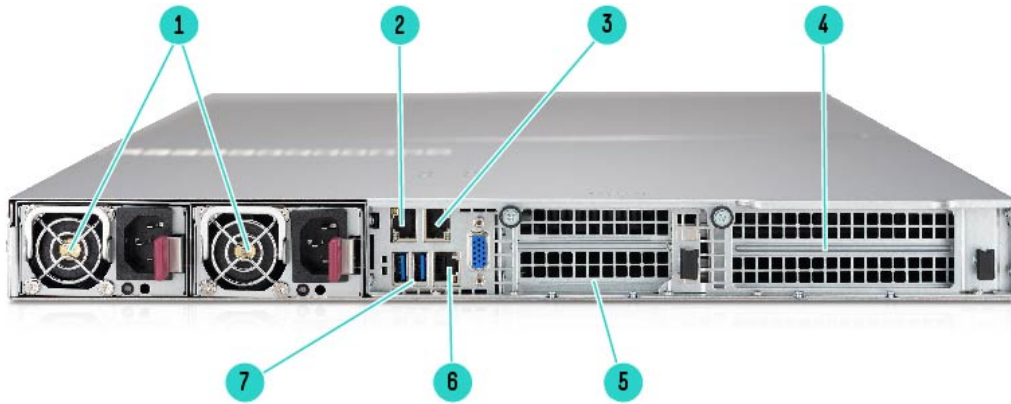


**Front View**

| Item Description | | Item | Description |
|---|---|---|---|
| 1. | HPE Apollo sx40 Chassis (1U) | 4. | Power button |
| 2. | Internal fans | 5. | Unit Identification (UID) LED/button |
| 3. | Status LED | 6. | 2 SFF hot-swap SATA drive bays |

**Hewlett Packard Enterprise**

# Overview



**Rear View**

| Item Description | Item | Description |
|---|---|---|
| 1. Two 2000W Titanium level power supplies | 5. | Two low profile PCIe Gen3 x16 slots |
| 2. Embedded 10Gb NIC 1 | 6. | Dedicated IPMI LAN port |
| 3. Embedded 10Gb NIC 2 | 7. | Two USB 3.0 connectors |
| 4. Two full height PCIe Gen3 x16 slots | | |
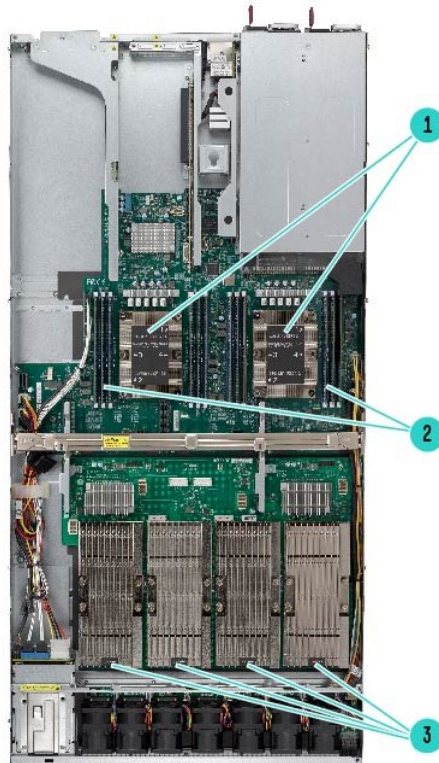


**Top View**

| Item Description | Item | Description |
|---|---|---|
| 1. Processor 1 & 2 | 3. | NVIDIA Tesla P100 or V100 SXM2 GPUs |
| 2. DIMMs for processor 1 & 2 | | |

**NOTE:** sx40 configuration with 4 x32GB V100 GPU's requires that the ambient temperature does not exceed of 25 degrees Celsius

## Standard Features

Intel® Xeon® Processor Scalable Family Processors (Please follow product offering to fill out processor SKU)

| Model | CPU frequency | Cores | L3 Cache | Power | UPI | DDR4 Hz |
|---|---|---|---|---|---|---|
| Intel® Xeon® Gold 6152 | 2.1 GHz | 22 | 30.25 MB | 140W | 10.4 GT/s | 2666 |
| Intel® Xeon® Gold 6150 | 2.7 GHz | 18 | 24.75 MB | 165W | 10.4 GT/s | 2666 |
| Intel® Xeon® Gold 6148 | 2.4 GHz | 20 | 27.50 MB | 105W | 10.4 GT/s | 2666 |
| Intel® Xeon® Gold 6142 | 2.6 GHz | 16 | 22.00 MB | 105W | 10.4 GT/s | 2666 |
| Intel® Xeon® Gold 6140 | 2.3 GHz | 18 | 24.75 MB | 65W | 10.4 GT/s | 2666 |
| Intel® Xeon® Gold 6138 | 2.0 GHz | 20 | 27.50 MB | 135W | 10.4 GT/s | 2666 |
| Intel® Xeon® Gold 6136 | 3.0 GHz | 12 | 24.75 MB | 90W | 10.4 GT/s | 2666 |
| Intel® Xeon® Gold 6134 | 3.2 GHz | 8 | 24.75 MB | 135W | 10.4 GT/s | 2666 |
| Intel® Xeon® Gold 6132 | 2.6 GHz | 14 | 19.25 MB | 85W | 10.4 GT/s | 2666 |
| Intel® Xeon® Gold 6130 | 2.1 GHz | 16 | 22.00 MB | 85W | 10.4 GT/s | 2666 |
| Intel® Xeon® Gold 6128 | 3.4 GHz | 6 | 19.25 MB | 85W | 10.4 GT/s | 2666 |
| Intel® Xeon® Gold 6126 | 2.6 GHz | 12 | 19.25 MB | 85W | 10.4 GT/s | 2666 |
| Intel® Xeon® Silver 4114 | 2.2 GHz | 10 | 13.75 MB | 85W | 9.6 GT/s | 2666 |

**Chipset**
Intel® C620 Series Chipset
**NOTE:** For more information regarding Intel® chipsets, please see the following
URL: **http://www.intel.com/products/server/chipsets/**.

**Memory**

| | |
|---|---|
| Type | DDR4 Load Reduced (LRDIMM), or Registered (RDIMM) |
| DIMM Slots Available | 12 DIMM Slots available |
| Maximum (LRDIMM) | 1.5TB (12 x 128GB) |

**NOTE:** LRDIMM and RDIMM are distinct memory technologies and cannot be mixed within a server.

**Network Controller**
**Ethernet Options**
- HPE Ethernet 10 Gb 2-port 535T Adapter
- HPE Eth 10/25Gb 2P 640SFP28 Adapter
- HPE Ethernet 10 Gb 2-port 562T Adapter
- HPE Ethernet 10Gb 2-port 562SFP+ Adapter

**InfiniBand Options**
- HPE IB EDR/EN 100 Gb 1-port 840QSFP28 Adapter
- HPE IB EDR/EN 100 Gb 2-port 840QSFP28 Adapter
- HPE 100 Gb 1-port OP101 QSFP28 x16 OPA Adapter
- HPE IB EDR 100Gb 1p 841QSFP28 Adapter
- HPE IB EDR/EN 100Gb 2p 841QSFP28 Adapter

## Standard Features

**Maximum Internal Storage**

| | |
|---|---|
| HPE 1TB SATA 7.2K SFF RW 512n DS HDD | 2x 1 TB |
| HPE 2TB SATA 7.2K SFF RW 512e DS HDD | 2x 2 TB |
| HPE 240GB SATA MU SFF RW DS SSD | 2x 240 GB |
| HPE 480GB SATA MU SFF RW DS SSD | 2x 480 GB |
| HPE 960GB SATA MU SFF RW DS SSD | 2x 960 GB |
| HPE 1.92TB SATA MU SFF RW DS SSD | 2x 1.92 TB |
| HPE 3.84TB SATA RI SFF RW DS SSD | 2x 3.8 TB |

**Interfaces**

| | |
|---|---|
| **USB Ports** | 2 USB 3.0 (external) |
| **Remote Management Port** | Dedicated IMPI port |
| **Status LED** | 1 |
| **Power** | 1 |
| **UID** | 1 |

**Industry Standard Compliance**
- ACPI 2.0b Compliant
- PCIe 3.0 Compliant
- PXE Support
- USB 1.1,2.0 and 3.0 Compliant

**Power Specifications**
To review typical system power ratings use the HPE Power Advisor which is available via the online tool located at
URL: **https://www.hpe.com/us/en/integrated-systems/rack-power-cooling.html#Portfolio**
**NOTE:** Power Specification and Technical Content for supported power supplies can be found at
**https://www.hpe.com/h20195/v2/gethtml.aspx?docname=c04111541**

**Operating Systems and Virtualization Software Support for HPE Apollo Servers**
- Red Hat Enterprise Linux (RHEL7.3)
- SUSE Linux Enterprise Server (SLES12 SP2, SLES12 SP2 KVM, SLES15 and SLES15 KVM)

**Graphics**
Integrated video standard

**Form Factor**
The Apollo sx40 is a 1U server.

**Embedded Management**
**UEFI**
Configure and boot your servers securely with industry standard Unified Extensible Firmware Interface (UEFI).
Learn more at **https://www.hpe.com/us/en/product-catalog/detail/pip.6935826.html**

**Out-of-Band Management**
Each system includes an out-of-band management license. Application of the license provides remote access and management capabilities.

# Standard Features

**Intelligent Provisioning**
Provision servers by discovering and deploying 1 to few servers with Intelligent Provisioning.
Learn more at **https://www.hpe.com/us/en/product-catalog/detail/pip.5219984.html**

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**Security**
- Power-on password
- Keyboard password
- Serial interface control
- Administrator's password

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**Warranty**
This product is covered by a global limited warranty and supported by Hewlett Packard Enterprise Services and a worldwide network of Hewlett Packard Enterprise Authorized Channel Partners (may vary by region). Hardware diagnostic support and repair is available for one year from date of purchase. Support for software and initial setup is available for 90 days from date of purchase. Enhancements to warranty services are available through HPE Pointnext operational services or customized service agreements. Hard drives have either a one year or three year warranty.

**NOTE:** Server Warranty includes 3 year Parts, 3 year Labor, 3-year on-site support with next business day response. Warranty repairs may be accomplished through the use of Customer Self Repair (CSR) parts. These parts fall into two categories: 1) Mandatory CSR parts are designed for easy replacement. A travel and labor charge will result when customers decline to replace a Mandatory CSR part; 2) Optional CSR parts are also designed for easy replacement but may involve added complexity. Customers may choose to have Hewlett Packard Enterprise replace Optional CSR parts at no charge. Additional information regarding worldwide limited warranty and technical support is available at:
**https://support.hpe.com/hpsc/doc/public/display?docId=c02978487**

Warranty and Support Services will extend to include HPE options configured with your server or storage device. The price of support service is not impacted by configuration details. HPE sourced options that are compatible with your product will be covered under your server support at the same level of coverage allowing you to upgrade freely. Installation for HPE options is available as needed. To keep support costs low for everyone, some high value options will require additional support. Additional support is only required on select high value workload accelerators, fibre switches, InfiniBand and UPS batteries over 12KVA. See the specific high value options that require additional support **here**

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**Additional Features**
**High Performance Clusters -** HPE Insight Cluster Management Utility
HPE Insight Cluster Management Utility (CMU) is a Hewlett Packard Enterprise-licensed and Hewlett Packard Enterprise-supported suite of tools that are used for lifecycle management of hyperscale clusters of Linux systems. CMU includes software for the centralized provisioning, management and monitoring of nodes. CMU makes the administration of clusters user friendly, efficient, and effective. **http://www.hpe.com/go/cmu**

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## Service and Support

**Service and Support**

**Protect your business beyond warranty with HPE Support Services**

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

**Optimized Recommendation**

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

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

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

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

**Standard Recommendation**

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

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

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

**Basic Recommendation**

**HPE Foundation Care NBD, three-year Support Service**

HPE Foundation Care Next Business Day connects you to HPE during business hours for assistance on resolving issues – This service features need based next business day hardware onsite response and software call back within two hours. In addition, Collaborative software support and provides troubleshooting assistance on industry leading software running on your HPE server. Simplify your support experience and make HPE your first call to help resolve hardware or software problems.

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

**Other Related Services**

**HPE Server Hardware Installation**

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

**https://www.hpe.com/h20195/V2/GetPDF.aspx/5981-9356EN.pdf**

**HPE Installation and Startup Service**

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

# Service and Support

### HPE Factory Express for Servers and storage
HPE Factory Express offers configuration, customization, integration and deployment services for HPE servers and storage products. Customers can choose how their factory solutions are built, tested, integrated, shipped and deployed.
Factory Express offers service packages for simple configuration, racking, installation, complex configuration and design services as well as individual factory services, such as image loading, asset tagging, and custom packaging. HPE products supported through Factory Express include a wide array of servers and storage: HPE Integrity, HPE ProLiant, HPE Apollo, HPE ProLiant Server Blades, HPE BladeSystem, HPE 9000 servers as well as the MSAxxxx3PAR suite, XP, rackable tape libraries and configurable network switches.

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

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

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

### DC for Hyperscale
Datacenter Care for Hyperscale is available for Service Providers and HPC customers who use a scale out approach to computing with a high volume homogenous infrastructure and resilient architecture can take advantage of this environment support tailored to their operating model.

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

### HPE Support Center
The HPE Support Center is a personalized online support portal with access to information, tools and experts to support HPE business products. Submit support cases online, chat with HPE experts, access support resources or collaborate with peers.
Learn more **http://www.hpe.com/support/hpesc**
HPE's Support Center Mobile App* allows you to resolve issues yourself or quickly connect to an agent for live support. Now, you can get access to personalize IT support anywhere, anytime.
HPE Insight Remote Support and HPE Support Center are available at no additional cost with a HPE warranty, HPE Support Service or HPE contractual support agreement.
**NOTE:**\*HPE Support Center Mobile App is subject to local availability

# Service and Support

**Parts and Materials**

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

Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product QuickSpecs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

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

**Options**

Included options are covered under the HPE Service Contract applied to the HPE Server. No separate HPE support services need to be purchased.

**For more information**
**http://www.hpe.com/support/hpesc**

# Configuration Information

## Step 1: Base Configuration (Choose one of the CTO Models below)
### HPE CTO Model

| | |
|---|---|
| HPE Apollo sx40 2SFF 4x32GB V100 SMX2 GPU Configure-to-order Server | R1C71A |

**NOTE:** sx40 configuration with 4 x32GB V100 GPU's requires that the ambient temperature does not exceed of 25 degrees Celsius

## Step 2: Choose Required Options (only one from each category unless otherwise noted)
### HPE Processor

| | |
|---|---|
| HPE Apollo 40 Intel Xeon-Gold 6152 (2.1GHz/22-core/140W) Processor Kit | Q5S88A |
| HPE Apollo 40 Intel Xeon-Gold 6142 (2.6GHz/16-core/150W) Processor Kit | Q5S91A |
| HPE Apollo 40 Intel Xeon-Gold 6140 (2.3GHz/18-core/140W) Processor Kit | Q5S92A |
| HPE Apollo 40 Intel Xeon-Gold 6138 (2.0GHz/20-core/125W) Processor Kit | Q5S93A |
| HPE Apollo 40 Intel Xeon-Gold 6136 (3.0GHz/12-core/150W) Processor Kit | Q5S94A |
| HPE Apollo 40 Intel Xeon-Gold 6134 (3.2GHz/8-core/130W) Processor Kit | Q5S95A |
| HPE Apollo 40 Intel Xeon-Gold 6132 (2.6GHz/14-core/140W) Processor Kit | Q5S96A |
| HPE Apollo 40 Intel Xeon-Gold 6130 (2.1GHz/16-core/125W) Processor Kit | Q5S97A |
| HPE Apollo 40 Intel Xeon-Gold 6128 (3.4GHz/6-core/115W) Processor Kit | Q5S98A |
| HPE Apollo 40 Intel Xeon-Gold 6126 (2.6GHz/12-core/125W) Processor Kit | Q5S99A |
| HPE Apollo 40 Intel Xeon-Silver 4114 (2.2GHz/10-core/85W) Processor Kit | Q5T05A |
| HPE Apollo 40 Intel Xeon-Gold 6150 (2.7GHz/18-core/165W) Processor Kit | Q5S89A |
| HPE Apollo 40 Intel Xeon-Gold 6148 (2.4GHz/20-core/150W) Processor Kit | Q5S90A |

### HPE Memory

| | |
|---|---|
| HPE 8GB Single Rank x4 DDR4-2666 Registered Memory Kit | Q7D79A |
| HPE 8GB Dual Rank x8 DDR4-2666 Registered Memory Kit | Q7D81A |
| HPE SGI 16GB Dual Rank x4 DDR4-2666 Registered Memory Kit | Q2D31A |
| HPE SGI 32GB Dual Rank x4 DDR4-2666 Registered Memory Kit | Q2D32A |
| HPE SGI 64GB Quad Rank x4 DDR4-2666 Load Reduced Memory Kit | Q2D33A |
| HPE 128GB Octal Rank x4 DDR4-2666 Load Reduced Memory Kit | Q7D83A |

### HPE Networking
#### Ethernet Options

| | |
|---|---|
| HPE Ethernet 10Gb 2-port 535T Adapter | 813661-B21 |
| HPE Ethernet 10/25Gb 2-port 640SFP28 Adapter | 817753-B21 |
| HPE Ethernet 10Gb 2-port 562SFP+ Adapter | 727055-B21 |
| HPE Ethernet 10Gb 2-port 562T Adapter | 817738-B21 |

#### InfiniBand Options

| | |
|---|---|
| HPE InfiniBand EDR/Ethernet 100Gb 1-port 840QSFP28 Adapter | 825110-H21 |
| HPE InfiniBand EDR/Ethernet 100Gb 2-port 840QSFP28 Adapter | 825111-H21 |
| HPE 100Gb 1-port OP101 QSFP28 x16 PCIe Gen3 with Intel Omni-Path Architecture Adapter | 829335-B21 |
| HPE InfiniBand EDR 100Gb 1-port 841QSFP28 Adapter | 872725-H21 |
| HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter | 872726-H21 |

# Configuration Information

### HPE Hard Drives

### Hot Swap SFF drives

| | |
|---|---|
| HPE 240GB SATA 6G Read Intensive SFF (2.5in) RW 3yr Wty Digitally Signed Firmware SSD | P09685-H21 |
| HPE 3.84TB SATA 6G Read Intensive SFF (2.5in) RW 3yr Wty Digitally Signed Firmware SSD | P09697-B21 |
| HPE SGI 1.92TB SATA 6G Mixed Use SFF (2.5in) 3yr Wty Digitally Signed Firmware SSD | Q8S85A |
| HPE 1.92TB SATA 6G Mixed Use SFF (2.5in) RW 3yr Wty Digitally Signed Firmware SSD | P07936-B21 |

### HPE M.2 SSD

### M.2 SSD

| | |
|---|---|
| HPE 960GB SATA 6G Mixed Use M.2 2280 3yr Wty Digitally Signed Firmware SSD | 875492-H21 |
| HPE 480GB SATA 6G Mixed Use M.2 2280 3yr Wty Digitally Signed Firmware SSD | 875490-H21 |
| HPE 240GB SATA 6G Mixed Use M.2 2280 3yr Wty Digitally Signed Firmware SSD | 875488-H21 |
| HPE 960GB SATA 6G Read Intensive M.2 2280 3yr Wty Digitally Signed Firmware SSD | 875500-H21 |
| HPE 480GB SATA 6G Read Intensive M.2 2280 3yr Wty Digitally Signed Firmware SSD | 875498-H21 |

### HPE PCIe NVMe

### PCIe NVMe

| | |
|---|---|
| HPE 1.6TB NVMe x8 Lanes Mixed Use HHHL 3yr Wty Digitally Signed Firmware Card | P10264-H21 |
| HPE 3.2TB NVMe x8 Lanes Mixed Use HHHL 3yr Wty Digitally Signed Firmware Card | P10266-H21 |
| HPE 6.4TB NVMe x8 Lanes Mixed Use HHHL 3yr Wty Digitally Signed Firmware Card | P10268-H21 |

### HPE RAID Settings

| | |
|---|---|
| HPE RAID 0 Drive 1 FIO Setting | 339777-B21 |
| HPE RAID 1 Drive 1 FIO Setting | 339778-B21 |

## Technical Specifications

**System Unit**

| | | |
|---|---|---|
| **Server Dimensions**<br>(L x W x D) | 1.7 x 17.2 x 35.2 in<br>4.3 x 43.7 x 89.4 cm | |
| **Weight**<br>(approximate) | 58 lb<br>21.8 kg | Maximum (Two hard drives and two processors installed) |
| **System Inlet Temperature** | **Standard Operating Support** | 10º to 35º C (50º to 95º F) |
| | **Non-operating** | -40º to 60º C (-40º to 140º F) |
| **Relative Humidity**<br>(non-condensing) | **Operating** | 8% to 90% (non-condensing) |
| | **Non-operating** | 5% to 95% (non-condensing). |
| **Altitude** | **Operating** | 3050 m (10,000 ft). This value may be limited by the type and number of options installed. Maximum allowable altitude change rate is 457 m/min (1500 ft/min). |

**Acoustic Noise**             Listed are the declared A-Weighted sound power levels (LWAd) and measured average bystander position A-Weighted sound pressure levels (LpAm) when the product is operating in a 23°C ambient environment. Noise emissions were measured in accordance with ISO 7779 (ECMA 74) and declared in accordance with ISO 9296 (ECMA 109). The listed sound levels apply to standard shipping configurations. Additional options may result in increased sound levels.

| Configuration SKU | Entry | Base | Performance |
|---|---|---|---|
| Idle | | | |
| LWAd | 6.9 B | 6.9 B | 6.9 B |
| LpAm | 51 dBA | 51 dBA | 51 dBA |
| Operating | | | |
| LWAd | 8.0 B | 8.3 B | 8.7 B |
| LpAm | 62 dBA | 66 dBA | 72 dBA |

**NOTE:** Product conformance to cited product specifications is based on sample (type) testing, evaluation, or assessment. This product or family of products is eligible to bear the appropriate compliance logos and statements.

**Environment-friendly Products and Approach - End-of-life Management and Recycling**

Hewlett Packard Enterprise offers end-of-life **product return, trade-in, and recycling programs,** in many geographic areas, for our products. 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**. These instructions may be used by recyclers and other WEEE treatment facilities as well as Hewlett Packard Enterprise OEM customers who integrate and re-sell Hewlett Packard Enterprise equipment.

## Summary of Changes

| Date | Version History | Action | Description of Change |
|------|-----------------|--------|-----------------------|
| 02-Dec-2019 | Version 11 | Changed | SKUs were updated in Configuration Information section. Obsolete SKUs were removed |
| 02-Apr-2019 | Version 10 | Changed | Obsolete SKUs were removed. SKUs were added in Configuration Information section Standard Features and Configuration Information sections were updated. |
| 04-Feb-2019 | Version 9 | Changed | Removed sx40 SKU, Q9B47A, with 16GB Volta GPU support. Added sx40 SKU, R1C71A, with 32GB Volta GPU support. Removed 8TB PCIE NVME card, 877833-B21, support Overview and Configuration Information sections were updated Obsolete SKUs were removed |
| 03-Dec-2018 | Version 8 | Changed | SKUs were updated in Configuration Information section Obsolete SKUs were removed |
| 01-Oct-2018 | Version 7 | Changed | Standard Features and Configuration Information were updated. |
| 13-Aug-2018 | Version 6 | Changed | Standard Features, Service and Support and Configuration Information were updated |
| 04-Dec-2017 | Version 5 | Changed | Added new server SKU and drive options |
| 02-Oct-2017 | Version 4 | Changed | Update several sections and verbiage |
| 10-Aug-2017 | Version 3 | Changed | Change throughout the QuickSpecs sections |
| 24-Jul-2017 | Version 2 | Changed | Updates made throughout the document |
| 11-Jul-2017 | Version 1 | New | New QuickSpecs |
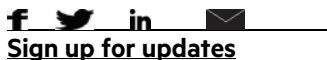
**Sign up for updates**

**Hewlett Packard Enterprise**

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