

### Overview

#### NVIDIA® Accelerators for HPE

Hewlett Packard Enterprise supports on select HPE servers computational accelerator modules based on NVIDIA® GRID™, and NVIDIA® Quadro™ Graphical Processing Unit (GPU) technology.

The NVIDIA accelerators enable seamless integration of GPU computing with HPE servers for high-performance computing, large data center graphics and virtual desktop deployments. HPE seamlessly integrates GPU computing with select HPE server families. Designed for power-efficient, graphics and high-performance supercomputing, NVIDIA accelerators deliver dramatically higher application acceleration than a CPU-only approach for a range of deep learning, scientific, and commercial applications. The thousands of NVIDIA CUDA® cores of each accelerator allow it to divide large computing or graphics tasks into thousands of smaller tasks that can be run concurrently, thus enabling much faster simulations and improved graphics fidelity for extremely demanding 3D models.

- Increased Performance to Solve Problems Faster
  - The NVIDIA accelerators for HPE servers improve computational performance, dramatically reducing the completion time for parallel tasks, offering quicker time to solutions.
  - Co-locating the NVIDIA Quadro® or NVIDIA GRID GPUs with computational servers, large data sets can be shared, dramatically improving display refresh rates.
  - These GPUs are specifically designed to enable rich graphics in virtualized environments. Hewlett Packard Enterprise can satisfy NVIDIA GRID software via HPE Complete.
  - NVIDIA accelerators can be configured and monitored by HPE Insight Cluster Management Utility (CMU). HPE Insight CMU monitors and displays GPU health and temperature, as well as installs and provisions the GPU drivers and CUDA software.
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## Overview

### Models

NVIDIA Quadro P2200 Graphics Accelerator for HPE	R2U55A
NVIDIA Quadro P2200 Graphics Accelerator for HPE	R2U55C
NVIDIA Quadro P1000 Graphics Accelerator for HPE	R3K70A
NVIDIA Quadro P1000 Graphics Accelerator for HPE	R3K70C
NVIDIA Quadro RTX 4000 Graphics Accelerator for HPE	R1F95A
NVIDIA Quadro RTX 4000 Graphics Accelerator for HPE	R1F95C
NVIDIA Quadro RTX 8000 Graphics Accelerator for HPE	R1F97A
NVIDIA Quadro RTX 8000 Graphics Accelerator for HPE	R1F97C
NVIDIA Quadro RTX x16 2-way 2-slot NVLink Bridge for HPE	R1F96A
NVIDIA Quadro RTX x16 2-way 2-slot NVLink Bridge for HPE	R1F96C
NVIDIA Quadro RTX 6000 Graphics Accelerator for HPE	R0Z45A
NVIDIA Quadro RTX 6000 Graphics Accelerator for HPE	R0Z45C
NVIDIA T4 16GB Computational Accelerator for HPE	ROW29A
NVIDIA T4 16GB Computational Accelerator for HPE	ROW29C
NVIDIA V100 PCIe 32GB Computational Accelerator for HPE	Q9U36A
NVIDIA V100 PCIe 32GB Computational Accelerator for HPE	Q9U36C
NVIDIA A100 HGX x8 40GB Computational Accelerator for HPE	R3V64A
NVIDIA Ampere 2-way 2-slot NVLink Bridge for HPE	R3V66A
NVIDIA V100 SXM2 32GB Computational Accelerator for HPE	Q9U37A
NVIDIA V100S 32GB Computational Accelerator for HPE	R4D73A
NVIDIA V100S 32GB Computational Accelerator for HPE	R4D73C
NVIDIA P40 24GB Computational Accelerator for HPE	Q0V80A
NVIDIA A100 PCIE 40GB Computational Accelerator	R6B53A
NVIDIA A100 PCIE 40GB Computational Accelerator	R6B53C
NVIDIA P40 24GB Computational Accelerator for HPE	Q0V80C
NVIDIA M10 Quad GPU Module for HPE	Q0J62A
NVIDIA M10 Quad GPU Module for HPE	Q0J62C

### Notes:

- Please see the [HPE ProLiant server QuickSpecs](#) for the supported servers for configuration rules, including requirements for enablement kits.
- CPU Type\*
- 1st Gen : 1st Gen Intel Xeon Scalable Processor
- 2nd Gen : 2nd Gen Intel Xeon Scalable Processor



Overview

XXXXXX-**X21** is SKU designation formed by a common six digit part number and a -**X21** suffix that identifies a SKU that is available across multiple server family lines. Refer to the table below to find the SKU suffix that applies to the specific server product line this option can be ordered with.

<b>-B21</b> <b>COMPUTE</b>	<b>-H21</b> <b>SPECIALIZED COMPUTE</b>	<b>-K21</b> <b>STORAGE</b>
HPE Cloudline CL2100/CL2200/CL2800/CL3100/CL4100/CL5200/CL5800 Servers HPE Composable Cloud for ProLiant DL HPE Converged System 700/750 HPE ProLiant BL460c/BL660c Servers HPE ProLiant DL20/DL160/DL180 Servers HPE ProLiant DL325/DL360/DL380/DL385/DL560/DL580 Servers HPE ProLiant DX360/DX380 Servers HPE ProLiant DX170r/DX190r/DX200/DX560/DX4200 Servers HPE ProLiant MicroServer HPE ProLiant for Microsoft Azure Stack HPE ProLiant ML30/ML110/ML350 Servers HPE Synergy 480/660 Systems HPE Synergy D3940 Storage Module	HPE Apollo 35/40/70 Systems HPE Apollo 2000/6000 Servers HPE XL170r/XL190r/XL270d (Apollo 6500) Gen10 Server for BlueData Software HPE Converged System 300/500 HPE Edgeline Systems and Servers HPE Integrity BL860c i6/BL870c i6/BL890c i6 Server Blades HPE Integrity MC990 X Server HPE Integrity rx2800 i6 Server HPE Integrity Superdome HPE SGI 8600 System HPE Solutions for SAP HANA (TDI) HPE Apollo Systems for BlueData Software	HPE Apollo 4200 Gen9/Gen10 Servers HPE Apollo 4200 Gen10 LFF Server for BlueData Software HPE Apollo 4510 Gen10 System HPE D3000/D6020/D8000 Disk Enclosures HPE D2220sb/D2500sb Storage Blade HPE Scalable Object Storage with Scality RING HPE SimpliVity 2600 HPE SimpliVity 325/380 Gen10 HPE Storage File Controllers HPE StoreEasy 1460/1560/1650/1660/1860

**Disclaimer:** This may not be a complete listing of applicable servers



## Standard Features

NVIDIA Quadro P2200 Graphics Accelerator for HPE	
SKU	R2U55A   R2U55C
Performance	3.822 TF SP
Memory Size	5 GB GDDR5x
Memory Bandwidth	200 GB/s
Cores	1,280
System Interface	PCIe 3.0 x 16
Power	75W
Form Factor	4.4" H x 7.9" L, Single Slot

NVIDIA Quadro P1000 Graphics Accelerator for HPE	
SKU	R3K70A   R3K70C
Performance	7.1 TF SP
Memory Size	4 GB GDDR5
Memory Bandwidth	Up to 80 GB/s
Cores	640
System Interface	PCIe 3.0 x 16
Power	47W
Form Factor	2.713"x 5.7" L, Single Slot, Low Profile

NVIDIA Quadro RTX 4000 Graphics Accelerator for HPE	
SKU	R1F95A   R1F95C
Performance	7.1 TF SP
Memory Size	8 GB GDDR6
Memory Bandwidth	Up to 416 GB/s
Cores	2,304
System Interface	PCIe 3.0 x 16
Power	160W
Form Factor	4.4" H x 9.5" L, Single Slot

Supported Servers and Operating Systems							
R1F96C Supported Servers	CPU *	RHEL Enterprise	SLES Enterprise	Ubuntu Community	Windows Enterprise	VMware ESXi	Citrix XenServer
HPE ProLiant DL380 Gen10	2 <sup>nd</sup> Gen	7.6	15	NA	Win 16	NA	NA
HPE ProLiant ML350 Gen10	2 <sup>nd</sup> Gen	7.6	15	16.04	Win 16	NA	NA
HPE Synergy 480 Gen10	2 <sup>nd</sup> Gen	NA	NA	NA	NA	NA	NA
HPE ProLiant ML110 Gen10	2 <sup>nd</sup> Gen	NA	NA	NA	NA	NA	NA



## Standard Features

NVIDIA Quadro RTX 8000 Graphics Accelerator for HPE	
<b>SKU</b>	R1F97A   R1F97C
<b>Performance</b>	16.3TF SP
<b>Memory Size</b>	48 GB GDDR6
<b>Memory Bandwidth</b>	Up to 672 GB/s
<b>Cores</b>	4,608
<b>System Interface</b>	PCIe 3.0 x 16
<b>Power</b>	295W
<b>Form Factor</b>	4.4" H x 10.5" L, Dual Slot, Full Height

Supported Servers and Operating Systems							
<b>R1F97A Supported Servers</b>	<b>CPU</b>	<b>RHEL Enterprise</b>	<b>SLES Enterprise</b>	<b>Ubuntu Community</b>	<b>Windows Enterprise</b>	<b>VMware ESXi</b>	<b>Citrix XenServer</b>
HPE ProLiant xL270d Gen10	2 <sup>nd</sup> Gen	7.5,7.6	15	18.04	Win 16	6.7	7.1
HPE Superdome Flex	2 <sup>nd</sup> Gen	NA	NA	NA	NA	NA	NA
<b>R1F97C Supported Servers</b>	<b>CPU *</b>	<b>RHEL Enterprise</b>	<b>SLES Enterprise</b>	<b>Ubuntu Community</b>	<b>Windows Enterprise</b>	<b>VMware ESXi</b>	<b>Citrix XenServer</b>
HPE ProLiant DL380 Gen10	2 <sup>nd</sup> Gen	7.6	15	18.04	Win 16	6.7	7.1
HPE ProLiant DL385 Gen10	EPYC	7.6	15	NA	Win 16	6.7	7.1
HPE ProLiant xL270d Gen10	CLX	7.5, 7.6	15	18.04	Win 16	6.7	7.1

NVIDIA Quadro RTX x16 2-way 2-slot NVLink Bridge for HPE	
<b>SKU</b>	R1F96A   R1F96C

Supported Servers and Operating Systems							
<b>Supported Servers</b>	<b>CPU</b>	<b>RHEL Enterprise</b>	<b>SLES Enterprise</b>	<b>Ubuntu Community</b>	<b>Windows Enterprise</b>	<b>VMware ESXi</b>	<b>Citrix XenServer</b>
HPE ProLiant ML350 Gen10	2 <sup>nd</sup> Gen	See HPE NVIDIA RTX 6000 Graphics Accelerator for details					
HPE ProLiant ML350 Gen10	2 <sup>nd</sup> Gen	See HPE NVIDIA RTX 8000 Graphics Accelerator for details					



## Standard Features

HPE NVIDIA Quadro RTX 6000 Graphics Accelerator	
<b>SKU</b>	ROZ45A   ROZ45C
<b>Performance</b>	16.3TF SP
<b>Memory Size</b>	24 GB GDDR6
<b>Memory Bandwidth</b>	Up to 672 GB/s
<b>Cores</b>	4,608
<b>System Interface</b>	PCIe 3.0 x 16
<b>Power</b>	295W
<b>Form Factor</b>	4.4" H x 10.5" L, Dual Slot, Full Height

Supported Servers and Operating Systems							
<b>ROZ45A Supported Servers</b>	<b>CPU</b>	<b>RHEL Enterprise</b>	<b>SLES Enterprise</b>	<b>Ubuntu Community</b>	<b>Windows Enterprise</b>	<b>VMware ESXi</b>	<b>Citrix XenServer</b>
HPE Superdome Flex	2 <sup>nd</sup> Gen	NA	NA	NA	NA	NA	NA
HPE ProLiant xL270d Gen10	2 <sup>nd</sup> Gen	7.5, 7.6	15	18.04	Win 16	6.7	7.1
<b>ROZ45C Supported Servers</b>	<b>CPU</b>	<b>RHEL Enterprise</b>	<b>SLES Enterprise</b>	<b>Ubuntu Community</b>	<b>Windows Enterprise</b>	<b>VMware ESXi</b>	<b>Citrix XenServer</b>
HPE ProLiant DL380 Gen10	1 <sup>st</sup> Gen	7.5	12 SP3	NA	Win 16	NA	NA
HPE ProLiant DL380 Gen10	2 <sup>nd</sup> Gen	7.5	15	16.04	Win 16	6.7	7.1
HPE ProLiant ML350 Gen10	2 <sup>nd</sup> Gen	7.5	15	NA	Win 16	NA	NA
HPE ProLiant DL385 Gen10	EPYC	7.6	15	NA	Win 16	6.7	7.1

NVIDIA Tesla T4 16GB Computational Accelerator for HPE	
<b>SKU</b>	ROW29A   ROW29C
<b>Performance</b>	8.1TF SP
<b>Memory Size</b>	16 GB GDDR6
<b>Memory Bandwidth</b>	Up to 320 GB/s
<b>Cores</b>	2,560
<b>System Interface</b>	PCIe 3.0 x 16
<b>Power</b>	70W
<b>Form Factor</b>	2.713" H x 6.65" L, Single Slot, Low Profile

Supported Servers and Operating Systems							
<b>ROW29A Supported Servers</b>	<b>CPU</b>	<b>RHEL Enterprise</b>	<b>SLES Enterprise</b>	<b>Ubuntu Community</b>	<b>Windows Enterprise</b>	<b>VMware ESXi</b>	<b>Citrix XenServer</b>
HPE ProLiant xL190r Gen10	2 <sup>nd</sup> Gen	7.5, 7.6	15	NA	Win 16	6.7	7.1
HPE ProLiant xL270d Gen10	2 <sup>nd</sup> Gen	7.5, 7.6	15	18.04	Win 16	6.7	7.1
HPE Edgeline EL1000 m510	Xeon D	NA	15	NA	Win 10	6.7	7.1
HPE Edgeline EL1000 m710	1 <sup>st</sup> Gen	NA	15	NA	Win 10	6.7	7.1
HPE Edgeline EL4000 m510	Xeon D	NA	15	NA	Win 10	6.7	7.1
HPE Edgeline EL4000 m710	1 <sup>st</sup> Gen	NA	15	NA	Win 10	6.7	7.1
HPE Edgeline EL8000 1U e910	2 <sup>nd</sup> Gen	7.6	NA	NA	NA	6.7	7.1
HPE Edgeline EL8000 2U e910	2 <sup>nd</sup> Gen	7.6	NA	NA	NA	6.7	7.1



## Standard Features

<b>R0W29C Supported Servers</b>	<b>CPU</b>	<b>RHEL Enterprise</b>	<b>SLES Enterprise</b>	<b>Ubuntu Community</b>	<b>Windows Enterprise</b>	<b>VMware ESXi</b>	<b>Citrix XenServer</b>
HPE ProLiant DL380 Gen10	1 <sup>st</sup> Gen	7.5	12 SP3	16.04	Win 16	6.7	7.1
HPE ProLiant DL380 Gen10	2 <sup>nd</sup> Gen	7.5	15	16.04	Win 16	6.7	7.1
HPE ProLiant DL360 Gen10	1 <sup>st</sup> Gen	7.5	12 SP3	NA	Win 16	6.7	7.1
HPE ProLiant DL360 Gen10	2 <sup>nd</sup> Gen	7.5	15	NA	Win 16	6.7	7.1
HPE ProLiant ML350 Gen10	2 <sup>nd</sup> Gen	7.5	15	NA	Win 16	6.7	NA
HPE ProLiant DL385 Gen10	EPYC	7.5	12 SP3	16.04	Win 16	6.7	NA
HPE ProLiant DL325 Gen10	EPYC	7.5	15	NA	Win 16	6.7	7.1
HPE Synergy 480 Gen10	2 <sup>nd</sup> Gen	NA	NA	NA	NA	NA	NA

**NVIDIA V100 SXM2 32GB Computational Accelerator for HPE**

<b>NVIDIA V100 SXM2 32GB Computational Accelerator for HPE</b>	Q9U37A
<b>Performance</b>	7.8TF DP, 15.7TF SP, 125TF FP16
<b>Memory Size</b>	32GB HBM2
<b>Memory Bandwidth</b>	900 GB/s
<b>Cores</b>	5,120
<b>System Interface</b>	NVLink
<b>Power</b>	300W
<b>Form Factor</b>	SXM2

**Supported Servers and Operating Systems**

<b>Q9U37A Supported Servers</b>	<b>CPU</b>	<b>RHEL Enterprise</b>	<b>SLES Enterprise</b>	<b>Ubuntu Community</b>	<b>Windows Enterprise</b>	<b>VMware ESXi</b>	<b>Citrix XenServer</b>
HPE ProLiant xL270d Gen10	1 <sup>st</sup> Gen	7.4	12 SP3	16.04	NA	NA	NA
HPE ProLiant xa780i Gen10	1 <sup>st</sup> Gen	7.4	12 SP3	NA	NA	NA	NA
HPE ProLiant xL270d Gen10	2 <sup>nd</sup> Gen	7.5	15	16.04	Win 16	6.7	7.1

**NVIDIA V100 PCIe 32GB Computational Accelerator for HPE**

<b>SKU</b>	Q9U36A   Q9U36C
<b>Performance</b>	7TF DP, 14TF SP, 112TF FP16
<b>Memory Size</b>	32GB HBM2
<b>Memory Bandwidth</b>	900 GB/s
<b>Cores</b>	5,120
<b>System Interface</b>	PCIe Gen3
<b>Power</b>	250W
<b>Form Factor</b>	4.4" H x 10.5" L, Dual Slot", Full Height, Full Length

**Supported Servers and Operating Systems**

<b>Q9U36A Supported Servers</b>	<b>CPU</b>	<b>RHEL Enterprise</b>	<b>SLES Enterprise</b>	<b>Ubuntu Community</b>	<b>Windows Enterprise</b>	<b>VMware ESXi</b>	<b>Citrix XenServer</b>
HPE ProLiant xL270d Gen10	1 <sup>st</sup> Gen	7.4	12 SP3	16.04	NA	NA	NA
HPE ProLiant xL270d Gen10	2 <sup>nd</sup> Gen	7.5	15	16.04	Win 16	6.7	7.1
HPE ProLiant XL190r Gen10	1 <sup>st</sup> Gen	7.4	12 SP3	NA	Win 16	NA	NA
HPE ProLiant XL190r Gen10	2 <sup>nd</sup> Gen	7.5	15	NA	Win 16	6.7	7.1
HPE Superdome Flex	1 <sup>st</sup> Gen	7.5	15	NA	NA	NA	NA
HPE Superdome Flex	2 <sup>nd</sup> Gen	7.6	15	NA	Win 16	6.7	7.1
HPE Edgeline 8000 2U e910	2 <sup>nd</sup> Gen	7.6	NA	NA	NA	6.7	7.1



## Standard Features

## Supported Servers and Operating Systems

Q9U36C Supported Servers	CPU	RHEL Enterprise	SLES Enterprise	Ubuntu Community	Windows Enterprise	VMware ESXi	Citrix XenServer
HPE ProLiant DL380 Gen10	1 <sup>st</sup> Gen	7.4	12 SP3	NA	Win 16	NA	NA
HPE ProLiant DL380 Gen10	2 <sup>nd</sup> Gen	7.5	15	16.04	Win 16	6.7	7.1
HPE ProLiant DL385 Gen10	EPYC	7.4	12 SP3	NA	Win 16	NA	NA
HPE ProLiant DL580 Gen10	1 <sup>st</sup> Gen	7.4	12 SP3	NA	Win 16	6.5 U2	NA
HPE ProLiant DL580 Gen10	2 <sup>nd</sup> Gen	7.5	15	NA	Win 16	6.7	7.1
HPE Cloudline CL2800 Gen10	1 <sup>st</sup> Gen	7.5	12 SP3	NA	Win 16	6.5 U2	7.5

## NVIDIA V100S PCIe 32GB Computational Accelerator for HPE

<b>SKU</b>	R4D73A/R4D73C
<b>Performance</b>	8.2TF DP, 16.4TF SP, 130TF FP16
<b>Memory Size</b>	32GB HBM2
<b>Memory Bandwidth</b>	1126 GB/s
<b>Cores</b>	5,120
<b>System Interface</b>	PCIe Gen3
<b>Power</b>	250W
<b>Form Factor</b>	4.4" H x 10.5" L, Dual Slot, Full Height, Full Length

## Supported Servers and Operating Systems

Q9U36A Supported Servers	CPU	RHEL Enterprise	SLES Enterprise	Ubuntu Community	Windows Enterprise	VMware ESXi	Citrix XenServer
HPE ProLiant XL270d Gen10	2 <sup>nd</sup> Gen	8.0	15 SP1	NA	Win 19	6.7 U3	NA
HPE ProLiant XL190r Gen10	2 <sup>nd</sup> Gen	8.0	15 SP1	NA	Win 19	6.7 U3	NA
HPE Edgeline 8000 2U e910	2 <sup>nd</sup> Gen	8.0	15 SP1	NA	Win 19	6.7 U3	8.0
Q9U36C Supported Servers	CPU	RHEL Enterprise	SLES Enterprise	Ubuntu Community	Windows Enterprise	VMware ESXi	Citrix XenServer
HPE ProLiant DL380 Gen10	2 <sup>nd</sup> Gen	8.0	15 SP1	NA	Win 19	6.7 U3	8.0
HPE ProLiant DL385 Gen10 Plus	ROME	8.0	15 SP1	NA	Win 19	6.7 U3	8.0
HPE Synergy SY480 Gen10	2st Gen	8.0	15 SP1	NA	Win 19	6.7 U3	8.0

## NVIDIA Tesla A100 PCIe 40GB Computational Accelerator for HPE

<b>SKU</b>	R6B53A/R6B53C
<b>Performance</b>	9.7TF DP, 19.5TF SP, 156TF FP16
<b>Memory Size</b>	40GB HBM2
<b>Memory Bandwidth</b>	1555 GB/s
<b>Multi-instance GPUs</b>	Various instance sizes with up to 7MIGs @ 5GB
<b>System Interface</b>	PCIe Gen3
<b>Power</b>	250W
<b>Form Factor</b>	10.5"x1.37"x4.37", Full Height, Full Length





## Standard Features

**NVIDIA Ampere 2-way 2-slot NVLink Bridge for HPE**

SKU	R6V66A
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**Supported Servers and Operating Systems**

<b>Q9U36A Supported Servers</b>	<b>CPU</b>	<b>RHEL Enterprise</b>	<b>SLES Enterprise</b>	<b>Ubuntu Community</b>	<b>Windows Enterprise</b>	<b>VMware ESXi</b>	<b>Citrix XenServer</b>
HPE ProLiant XL270d Gen10	2 <sup>nd</sup> Gen	8.0	15 SP1	NA	Win 19	6.7 U3	NA
<b>Q9U36C Supported Servers</b>	<b>CPU</b>	<b>RHEL Enterprise</b>	<b>SLES Enterprise</b>	<b>Ubuntu Community</b>	<b>Windows Enterprise</b>	<b>VMware ESXi</b>	<b>Citrix XenServer</b>
HPE ProLiant DL380 Gen10	2 <sup>nd</sup> Gen	8.0	15 SP1	NA	Win 19	6.7 U3	8.0

**NVIDIA M10 Quad GPU Module for HPE**

<b>SKU</b>	Q0J62A   Q0J62C
<b>Memory Size</b>	32GB GDDR5
<b>Cores</b>	2,560
<b>System Interface</b>	PCIe Gen3
<b>Power</b>	225W
<b>Form Factor</b>	4.4" H x 10.5" L, Dual Slot, Full Height

**Supported Servers and Operating Systems**

<b>Q0J62A Supported Servers</b>	<b>CPU</b>	<b>RHEL Enterprise</b>	<b>SLES Enterprise</b>	<b>Ubuntu Community</b>	<b>Windows Enterprise</b>	<b>VMware ESXi</b>	<b>Citrix XenServer</b>
HPE ProLiant xl190r Gen10	1 <sup>st</sup> Gen	NA	NA	NA	NA	NA	NA
HPE ProLiant xl190r Gen10	2 <sup>nd</sup> Gen	NA	NA	NA	NA	6.7	7.1
<b>Q0J62C Supported Servers</b>	<b>CPU</b>	<b>RHEL Enterprise</b>	<b>SLES Enterprise</b>	<b>Ubuntu Community</b>	<b>Windows Enterprise</b>	<b>VMware ESXi</b>	<b>Citrix XenServer</b>
HPE ProLiant DL380 Gen10	1 <sup>st</sup> Gen	NA	NA	NA	NA	NA	NA
HPE ProLiant DL380 Gen10	2 <sup>nd</sup> Gen	NA	NA	NA	NA	6.7	7.1
HPE ProLiant DL385 Gen10	EPYC	NA	NA	NA	NA	6.5 U2	7.5
HPE ProLiant DL350 Gen10	1 <sup>st</sup> Gen	NA	NA	NA	NA	NA	NA
HPE ProLiant DL350 Gen10	2 <sup>nd</sup> Gen	NA	NA	NA	NA	6.7	7.1

**NVIDIA A100 HGX X8 40GB Computational Accelerator for HPE**

<b>NVIDIA A100 HGX X8 40GB Computational Accelerator for HPE</b>	R3V64A
<b>Performance</b>	18.5 TF DP, 19.2TF SP, 259TF FP16
<b>Memory Size</b>	40GB HBM2
<b>Memory Bandwidth</b>	1555 GB/s
<b>Cores</b>	Various instance sizes with up to 7MIGs @ 5GB
<b>System Interface</b>	NVLink
<b>Power</b>	3200W
<b>Form Factor</b>	SXM4



## Standard Features

### Supported Servers and Operating Systems

<b>R3V64A Supported Servers</b>	<b>CPU</b>	<b>RHEL Enterprise</b>	<b>SLES Enterprise</b>	<b>Ubuntu Community</b>	<b>Windows Enterprise</b>	<b>VMware ESXi</b>	<b>Citrix XenServer</b>
HPE ProLiant XL675d Gen10 Plus	AMD	8.2	15 SP1	19.10	NS	In-test	NS



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## Service and Support

### Service and Support

If this is a qualified option, it is covered under the HPE Support Service(s) applied to the HPE ProLiant Server. Please check HPE ProLiant Server documentation for more details on the services for this particular option.

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### Warranty and Support Services

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.

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### 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 provide 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.

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### 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 quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

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

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### 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>

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**Notes:** \*HPE Support Center Mobile App is subject to local availability.

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## Summary of Changes

Date	Version History	Action	Description of Change
07-Dec-2020	Version 34	Changed	Add NVLink Bridge and A100 HGX products
05-Oct-2020	Version 33	Changed	Changed Naming, Added A100 New Product and Updated server language to be inclusive of Pan-HPE support
06-Apr-2020	Version 32	Changed	Overview and Standard Features sections were updated Obsolete SKUs were removed
02-Dec-2019	Version 31	Changed	Overview and Standard Features sections were updated Obsolete SKUs were removed
03-Jun-2019	Version 30	Changed	Models and Standard Features sections were updated
02-Apr-2019	Version 29	Changed	Overview and Standard Features sections were updated. Obsolete SKUs were removed.
04-Feb-2019	Version 28	Changed	Overview and Standard Features sections were updated
03-Dec-2018	Version 27	Changed	Standard Features section was updated
15-Oct-2018	Version 26	Changed	Overview and Standard Features sections were updated.
01-Oct-2018	Version 25	Changed	Overview, Additional Options and Service and Support sections were updated. Added GV100 Bridge Kit; corrected wrong PNs
04-Jun-2018	Version 24	Changed	Changes made throughout document; adding V100 FHHL card
07-May-2018	Version 23	Changed	Add HPE NVIDIA Tesla V100 PCIE 32GB Computational Accelerator / HPE NVIDIA Tesla V100 SXM2 32GB Computational Accelerator
02-Apr-2018	Version 22	Changed	Updates throughout document; added GV100
04-Dec-2017	Version 21	Changed	New modules added
16-Oct-2017	Version 20	Changed	Update verbiage in the Standard
25-Sep-2017	Version 19	Changed	Update verbiage in the Standard Features Sections
11-Jul-2017	Version 18	Changed	New models were added and updates throughout the whole document
05-Jun-2017	Version 17	Changed	Remove obsolete info and SKUs and update the recent info
08-May-2017	Version 16	Changed	New models were added and updates throughout the whole document
28-Nov-2016	Version 15	Changed	Updates throughout the whole document
26-Sep-2016	Version 14	Changed	Added new SKUs to QS
06-Jun -2016	Version 13	Changed	Add The new information to the QS and remove obsolete SKU 's
31-Mar-2016	Version 12	Changed	Update all the sections and general info throughout the QuickSpecs
01-Dec-2015	Version 11	Changed	Update the Standard Features and the technical Specifications section
17-Aug-2015	Version 10	Changed	Update several Overview and technical specifications.
09-Feb-2015	Version 9	Changed	Update several Overview and technical specifications.
01-Dec-2014	Version 8	Changed	Revised wording and Technical Specifications
09-Sep-2014	Version 7	Changed	Changes made throughout the QuickSpecs.
05-Jun-2014	Version 6	Changed	High Performance Clusters and Thermal Solutions were revised
31-Mar-2014	Version 5	Changed	NVIDIA Tesla K40C 12 GB Computational Accelerator and NVIDIA Quadro K2000 PCIe Graphics Adapter were added
18-Feb-2014	Version 4	Changed	Changes made throughout the QuickSpecs
09-Dec-2013	Version 3	Changed	NVIDIA Tesla K10 Rev B Dual GPU Module and NVIDIA Tesla K40 12 GB Module were added.
20-Sep-2013	Version 2	Changed	Changes made in the following Sections Standard Features Optional Features Technical Specifications
10-Sep-2013	Version 1	New	New QuickSpecs



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