

### Overview

## NVIDIA® Accelerators for HPE

Hewlett Packard Enterprise supports select NVIDIA GPUs and accelerators for Apollo, ProLiant Rack and Tower, Synergy, Cray, Superdome, and Edgeline systems to address HPC, AI, virtualization, edge computing, and graphics rendering and visualization.

### Operating Systems and Virtualization Software Support for ProLiant Servers

See [HPE Servers Support & Certification Matrices](#)

- [Microsoft Windows Server](#)
- [VMware ESXi](#)
- [VMware Compatibility Guide](#)
- [Red Hat Enterprise Linux \(RHEL\)](#)
- [SUSE Linux Enterprise Server \(SLES\)](#)
- [Canonical Ubuntu](#)
- [Oracle Linux and Oracle VM](#)
- [Citrix](#)

Enterprise customers with a current vGPU software license (GRID vPC, GRID vApps or Quadro vDWS), can log into the enterprise software download [NVIDIA Drivers](#).

## Models

NVIDIA T4 16GB Computational Accelerator for HPE	R0W29C
NVIDIA Ampere 2-way 2-slot Bridge for HPE	R6V66A
NVIDIA HGX A100 40GB 8-GPU Air Cooled FIO Baseboard for HPE	R3V64A
NVIDIA HGX A100 40GB 4-GPU Air Cooled FIO Baseboard for HPE	R3V35A
NVIDIA A10 24GB PCIe Non-CEC Accelerator for HPE	R9W59C
NVIDIA A10 PCIe Non-CEC Accelerator for HPE	R9W59A
NVIDIA A40 48GB PCIe Non-CEC Accelerator for HPE	R9S37C
NVIDIA A2 16GB PCIe Non-CEC Accelerator for HPE	R9H23C
NVIDIA A16 64GB PCIe Non-CEC Accelerator for HPE	R8T26C
NVIDIA A30 PCIe Non-CEC Accelerator for HPE	R9S38C
NVIDIA H100 80GB PCIe Accelerator for HPE	R9S41C
NVIDIA H100 80GB PCIe Accelerator for HPE	R9S41A
NVIDIA L4 24GB PCIe Accelerator for HPE	S0K89C
NVIDIA L40 48GB PCIe Accelerator for HPE	S0K90C
NVIDIA L40S 48GB PCIe Accelerator	S2L70A
NVIDIA L40S 48GB PCIe Accelerator	S2L70C
NVIDIA H100 NVL 94GB PCIe Accelerator for HPE	S2D86C
NVIDIA H100 NVL 94GB PCIe Accelerator for HPE	S2D86A

**Notes:** Please see the [HPE ProLiant Server QuickSpecs](#) for configuration rules and including enablement kits.

### Overview

XXXXXX is SKU designation formed by a common 6-digit part number with the last character that identifies a SKU that is available across multiple server family lines. Refer to the table below to find the SKU suffix to order by server product line. In some cases, Specialized Compute will leverage the -C SKU and Compute will leverage the -A SKU. .

<b>-C</b>	<b>-A</b>	<b>-K21</b>
<b>COMPUTE</b>	<b>SPECIALIZED COMPUTE</b>	<b>STORAGE</b>
HPE ProLiant Servers DL20/DL160/DL180 ML30/ML110/ML350 DL325/DL345/DL365/DL385 DL360/DL380/ DL380a/DL560/DL580 DX360/DX380 DX170r/DX190r/DX200/ DX560/DX4200 MicroServer HPE ProLiant for Microsoft Azure Stack HPE Synergy 480/660 Systems	<b>HPE Cray Supercomputing</b> HPE Apollo 35/40/70 Systems HPE Apollo 2000/6500 Servers HPE XL170r/XL190rGen10 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/Superdome Flex	HPE Alletra 4110/4120 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 SimpliVity 2600 HPE SimpliVity 325/380 Gen10

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

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>-H21</b>	<b>-K21</b>
<b>COMPUTE Server Line</b>	<b>SPECIALIZED COMPUTE Server Line</b>	<b>STORAGE Line</b>
HPE Cloudline CL2100/CL2200/CL2800/CL3100/ CL4100/CL5200/CL5800 Servers HPE Composable Cloud for ProLiant DL 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 MicroServer HPE ProLiant for Microsoft Azure Stack HPE ProLiant ML30/ML110/ML350 Servers HPE Synergy 480/660 Systems HPE ProLiant DX170r/DX190r, DX2000 Servers	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 300/500/700/750 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 4200 Gen9/Gen10 Servers HPE Apollo 4200 Gen10 LFF Server for BlueData Software HPE Apollo 4510 Gen10 System HPE D2220sb/D2500sb Storage Blade HPE D3000/D6020/D8000 Disk Enclosures 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

## Overview

HPE ProLiant DX560 Gen10  
server  
HPE ProLiant DX4200 Gen10  
server

### Standard Features

NVIDIA Quadro P1000 Graphics Accelerator for HPE	
<b>SKU</b>	R3K70X   R3K70C
<b>Performance</b>	7.1TF SP
<b>Memory Size</b>	4 GB GDDR5
<b>Memory Bandwidth</b>	Up to 80 GB/s
<b>Cores</b>	640
<b>System Interface</b>	PCIe 3.0 x 16
<b>Power</b>	47W
<b>Form Factor</b>	2.713"x 5.7" L, Single Slot, Low Profile

Supported Servers	
<b>R3K70X</b>	<b>CPU *</b>
<b>Supported Servers</b>	
Edgeline EL1000 V2 m510	Broad
Edgeline EL1000 V2 m750	Coffee
Edgeline EL4000 V2 m750	Coffee
Edgeline EL4000 m710x	Sky
Edgeline EL8000 2U e910	Cascad
Edgeline EL8000 2U e910t	Cascad
<b>R3K70C</b>	<b>CPU *</b>
<b>Supported Servers</b>	
HPE ProLiant ML30 Gen10	Coffee
HPE ProLiant ML110 Gen10	Cascad
HPE ProLiant ML350 Gen10	Cascad

NVIDIA Quadro RTX 4000 Graphics Accelerator for HPE	
<b>SKU</b>	R1F95X   R1F95C
<b>Performance</b>	7.1TF SP
<b>Memory Size</b>	8 GB GDDR6
<b>Memory Bandwidth</b>	Up to 416 GB/s
<b>Cores</b>	2,304
<b>System Interface</b>	PCIe 3.0 x 16
<b>Power</b>	160W
<b>Form Factor</b>	4.4" H x 9.5" L, Single Slot

### Standard Features

Supported Servers	
<b>R1F95X Supported Servers</b>	<b>CPU *</b>
HPE ProLiant XL190r Gen10	Cascad
<b>R1F95C Supported Servers</b>	<b>CPU *</b>
HPE ProLiant DL360 Gen10	Cascad
HPE ProLiant DL380 Gen10	Cascad
HPE ProLiant DL385 Gen10	Rome
HPE ProLiant ML110 Gen10	Cascad
HPE ProLiant ML350 Gen10	Cascad
HPE Synergy 480 Gen10	Cascad

HPE NVIDIA Quadro RTX 6000 Graphics Accelerator	
<b>SKU</b>	R0Z45X   R0Z45C
<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	
<b>R0Z45X Supported Servers</b>	<b>CPU *</b>
HPE Superdome Flex	Cascad
HPE Superdome Flex 280	Cascad
HPE ProLiant XL270d Gen10	Cascad
Edgeline EL8000 2U e910	Cascad
<b>R0Z45C Supported Servers</b>	<b>CPU *</b>
HPE ProLiant DL380 Gen10	Sky
HPE ProLiant DL380 Gen10	Cascad
HPE ProLiant DL385 Gen10	EPYC
HPE ProLiant DL385 Gen10	Rome
HPE ProLiant DL385 Gen10 Plus	Rome

### Standard Features

HPE ProLiant DL580 Gen10	Cascad
HPE ProLiant ML350 Gen10	Cascad

### NVIDIA Quadro RTX 8000 Graphics Accelerator for HPE

<b>SKU</b>	R1F97X   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

<b>R1F97X Supported Servers</b>	<b>CPU *</b>
HPE ProLiant XL190r Gen10	Cascad
HPE ProLiant XL270d Gen10	Cascad
HPE Superdome Flex	Cascad
HPE Superdome Flex 280	Cooper
<b>R1F97C Supported Servers</b>	<b>CPU *</b>
HPE ProLiant DL380 Gen10	Cascad
HPE ProLiant DL385 Gen10	EPYC

<b>R1F97C Supported Servers</b>	<b>CPU *</b>
HPE ProLiant DL385 Gen10	Rome
HPE ProLiant DL385 Gen10 Plus	Rome
HPE ProLiant DL580 Gen10	Cascad
HPE ProLiant ML350 Gen10	Cascad
HPE Synergy 480 Gen10	Cascad

### NVIDIA Quadro RTX x16 2-way 2-slot NVLink Bridge for HPE

<b>SKU</b>	R1F96X   R1F96C
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### Standard Features

Supported Servers	
<b>R1F96X Supported Servers</b>	<b>CPU *</b>
<b>R1F96C Supported Servers</b>	<b>CPU *</b>
HPE ProLiant ML350 Gen10	Cascad
HPE ProLiant ML350 Gen10	Cascad

NVIDIA Tesla T4 16GB Computational Accelerator for HPE	
<b>SKU</b>	R0W29X   R0W29C
<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	
<b>R0W29X Supported Servers</b>	<b>CPU *</b>
HPE ProLiant XL190r Gen10	Cascad
HPE ProLiant XL270d Gen10	Cascad
Edgeline EL1000 m510	Broad
Edgeline EL1000 m710x	Sky
Edgeline EL1000 V2 m750	Coffee
Edgeline EL4000 m510	Broad
Edgeline EL4000 m710x	Sky
Edgeline EL4000 V2 m750	Coffee
Edgeline EL8000 1U e910	Cascad
Edgeline EL8000 2U e910	Cascad
HPE Superdome Flex	Cascad
HPE Superdome Flex 280	Cooper
HPE Proliant XL290n Gen10 Plus	Icelake

### Standard Features

<b>R0W29X</b>	<b>CPU *</b>
<b>Supported Servers</b>	
Edgeline EL8000 e920d	Icelake
Edgeline EL8000 e920t	Icelake
Edgeline EL8000 e920	Icelake
<b>R0W29C</b>	<b>CPU *</b>
<b>Supported Servers</b>	
HPE ProLiant DL325 Gen10	EPYC
HPE ProLiant DL325 Gen10	Rome
HPE ProLiant DL325 Gen10 Plus	Rome
HPE ProLiant DL360Gen10	Sky
HPE ProLiant DL360 Gen10	Cascad
HPE ProLiant DL360 Gen10 Plus	Icelake
HPE ProLiant DL380 Gen10	Sky
HPE ProLiant DL380 Gen10	Cascad
HPE ProLiant DL385 Gen10	EPYC
HPE ProLiant DL385 Gen10	Rome
HPE ProLiant DL385 Gen10 Plus	Rome
HPE ProLiant DL385 Gen10 Plus v2	Milan
HPE ProLiant DL560 Gen10	Cascad
HPE ProLiant ML350 Gen10	Cascad
HPE Synergy 480 Gen10	Cascad
HPE Synergy 480 Gen10 Plus P	Icelake
HPE Synergy 480 Gen10 Plus H	Icelake

### Supported Servers

<b>is Q9U37A</b>	<b>CPU *</b>
<b>Supported Servers</b>	
HPE ProLiant XL270d Gen10	Sky
HPE ProLiant XL270d Gen10	Cascad



### Standard Features

NVIDIA M10 Quad GPU Module for HPE	
<b>SKU</b>	Q0J62X   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	
<b>Q0J62X Supported Servers</b>	<b>CPU *</b>
HPE ProLiant XL190r Gen10	Sky
HPE ProLiant XL190r Gen10	Cascad

<b>Q0J62C Supported Servers</b>	<b>CPU *</b>
HPE ProLiant DL380 Gen10	Sky
HPE ProLiant DL380 Gen10	Cascad
HPE ProLiant DL385 Gen10	EPYC
HPE ProLiant DL385 Gen10	Rome
HPE ProLiant ML350 Gen10	Sky
HPE ProLiant ML350 Gen10	Cascad

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 Gen4
<b>Power</b>	250W
<b>Form Factor</b>	10.5"x1.37"x4.37", Full Height, Full Length

### Standard Features

<b>Supported Servers</b>	
<b>R6B53A</b>	<b>CPU *</b>
<b>Supported Servers</b>	
HPE ProLiant XL270d Gen10	Cascad
HPE ProLiant XL645d Gen10 Plus	Rome
HPE ProLiant XL645d Gen10 Plus	Milan
HPE ProLiant XL675d Gen10 Plus	Rome
HPE ProLiant XL675d Gen10 Plus	Milan
Edgeline EL8000 2U e910	Cascad
Edgeline EL8000 2U e910t	Cascad
HPE Superdome Flex 280	Cooper
HPE ProLiant XL290n Gen10 Plus	Icelake
Edgeline EL8000 e920d	Icelake
Edgeline EL8000 e920t	Icelake
HPE Superdome Flex	Cascad
<b>R6B53C</b>	<b>CPU *</b>
<b>Supported Servers</b>	
HPE ProLiant DL380 Gen10	Cascad
HPE ProLiant DL385 Gen10 Plus	Rome
HPE ProLiant DL385 Gen10 Plus v2	Milan
HPE ProLiant DL380 Gen10 Plus	Icelake
HPE Synergy 480 Gen10	Cascad

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

<b>NVIDIA Ampere 2-way 2-slot Bridge for HPE</b>	R6V66A
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### Standard Features

Supported Servers		
<b>R6V66A Supported Servers</b>	<b>CPU</b> *	
HPE ProLiant DL380a Gen11	SPR	See NVIDIA H100 80GB PCIe and NVIDIA H100 NVL PCIe for details
HPE ProLiant DL385 Gen11	SPR	See NVIDIA H100 80GB PCIe and NVIDIA H100 NVL PCIe for details
HPE ProLiant XL645d Gen 10Plus	Rome	See HPE NVIDIA Tesla A100 PCIe 40GB Computational Accelerator for details
HPE ProLiant XL645d Gen 10Plus	Milan	See HPE NVIDIA Tesla A100 PCIe 40GB Computational Accelerator for details
HPE ProLiant XL675d Gen 10Plus	Rome	See HPE NVIDIA Tesla A100 PCIe 40GB Computational Accelerator for details
HPE ProLiant XL675d Gen 10Plus	Milan	See HPE NVIDIA Tesla A100 PCIe 40GB Computational Accelerator for details

NVIDIA HGX A100 40GB 8 GPU AIR FIO BSBRD	
<b>NVIDIA HGX A100 40GB 8-GPU Air Cooled FIO Baseboard for HPE</b>	R3V64A
<b>Performance</b>	19.5 TF DP , 19.5TF SP, 312TF FP16
<b>Number of GPU/Baseboard</b>	8
<b>Memory Size/GPU</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; GPU/Baseboard</b>	400W (3200W)
<b>Form Factor</b>	SXM4

Supported Servers	
<b>R3V64A Supported Servers</b>	<b>CPU</b>
HPE ProLiant XL675d Gen10 Plus	Rome
HPE ProLiant XL675d Gen10 Plus	Milan

Supported Servers	
<b>R4W71A Supported Servers</b>	<b>CPU</b>
HPE ProLiant XL675d Gen10 Plus	Rome
HPE ProLiant XL675d Gen10 Plus	Milan

### Standard Features

NVIDIA HGX A100 40GB 4 GPU AIR FIO BSBRD	
<b>NVIDIA HGX A100 40GB 4-GPU Air Cooled FIO Baseboard for HPE</b>	R3V35A
<b>Performance</b>	19.5 TF DP, 19.5TF SP, 312TF FP16
<b>Number of GPU/Baseboard</b>	4
<b>Memory Size/GPU</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; GPU/Baseboard</b>	400W (1600W)
<b>Form Factor</b>	SXM4

Supported Servers	
<b>R3V35A Supported Servers</b>	<b>CPU</b>
HPE ProLiant XL645d Gen10 Plus	Rome
HPE ProLiant XL645d Gen10 Plus	Milan

Supported Servers	
<b>R7E29A Supported Servers</b>	<b>CPU</b>
HPE ProLiant XL645d Gen10 Plus	Rome
HPE ProLiant XL645d Gen10 Plus	Milan

NVIDIA HGX A100 80GB 8 GPU AIR FIO BSBRD	
<b>NVIDIA HGX A100 80GB 8-GPU Air Cooled FIO Baseboard for HPE</b>	R7B94A
<b>Performance</b>	19.5 TF DP, 19.5TF SP, 312TF FP16
<b>Number of GPU/Baseboard</b>	8
<b>Memory Size/GPU</b>	80GB HBM2
<b>Memory Bandwidth</b>	2039 GB/s
<b>Cores</b>	Various instance sizes with up to 7MIGs @ 5GB
<b>System Interface</b>	NVLink
<b>Power; GPU/Baseboard</b>	400W (3200W)
<b>Form Factor</b>	SXM4

Supported Servers	
<b>R7B94A Supported Servers</b>	<b>CPU</b>
HPE ProLiant XL675d Gen10 Plus	Rome
HPE ProLiant XL675d Gen10 Plus	Milan

### Standard Features

NVIDIA A40 48GB Accelerator for HPE	
<b>SKU</b>	R7E31A/ R7E31C
<b>Performance</b>	37.4TF SP, 149.7TF FP16
<b>Memory Size</b>	48GB GDDR6
<b>Memory Bandwidth</b>	696 GB/s
<b>Cores</b>	10,752
<b>System Interface</b>	PCIe Gen4
<b>Power</b>	300W
<b>Form Factor</b>	4.4" H x 10.5" L, Dual Slot, Full Height, Full Length

Supported Servers	
<b>R7E31A</b>	<b>CPU *</b>
<b>Supported Servers</b>	
HPE ProLiant XL645d Gen10 Plus	Milan
HPE ProLiant XL675d Gen10 Plus	Milan
<b>R7E31C</b>	<b>CPU *</b>
<b>Supported Servers</b>	
HPE ProLiant DL380 Gen10	Cascad
HPE ProLiant DL380 Gen10 Plus	Icelake
HPE ProLiant DL580 Gen10	Cascad
HPE Synergy 480 Gen10	Cascad
HPE Synergy 480 Gen10 Plus E2	Icelake
HPE ProLiant DL385 Gen10 Plus V2	Milan

NVIDIA A40 48GB non-CEC Accelerator for HPE	
<b>NVIDIA A40 48GB PCIe Non-CEC Accelerator for HPE</b>	R9S37C
<b>Performance</b>	37.4TF SP, 149.7TF FP16
<b>Memory Size</b>	48GB GDDR6
<b>Memory Bandwidth</b>	696 GB/s
<b>Cores</b>	10,752
<b>System Interface</b>	PCIe Gen4
<b>Power</b>	300W
<b>Form Factor</b>	4.4" H x 10.5" L, Dual Slot, Full Height, Full Length

### Standard Features

Supported Servers	
<b>R9S37C</b> <b>Supported Servers</b>	<b>CPU *</b>
HPE ProLiant XL645d Gen10 Plus	Milan
HPE ProLiant XL675d Gen10 Plus	Milan
HPE ProLiant DL380 Gen10	Cascad

<b>R9S37C</b> <b>Supported Servers</b>	<b>CPU *</b>
HPE ProLiant DL380 Gen10 Plus	Icelake
HPE ProLiant DL580 Gen10	Cascad
HPE Synergy 480 Gen10 E2	Cascad
HPE Synergy 480 Gen10 Plus E2	Icelake
HPE ProLiant DL385 Gen10 Plus V2	Milan
HPE Edgeline EL8000 e920d/e920t	Icelake
HPE Superdome Flex 280	Copper

NVIDIA A10 24GB PCIe GPU Module	
<b>SKU</b>	R7G40A/R7G40C
<b>Performance</b>	31TF SP, 125TF FP16
<b>Memory Size</b>	24GB GDDR6
<b>Memory Bandwidth</b>	600 GB/s
<b>System Interface</b>	PCIe Gen4
<b>Power</b>	150W
<b>Form Factor</b>	4.4" H x 10.5" L, Single Slot

Supported Servers	
<b>R7G40A</b> <b>Supported Servers</b>	<b>CPU *</b>
HPE ProLiant XL645d Gen10 Plus	Milan
HPE ProLiant XL675d Gen10 Plus	Milan

<b>R7G40C</b> <b>Supported Servers</b>	
HPE ProLiant DL345 Gen10 Plus	Milan
HPE ProLiant DL380 Gen10 Plus	Icelake
HPE Synergy 480 Gen10 Plus	Icelake

### Standard Features

NVIDIA A10 24GB non-CEC PCIe Accelerator	
<b>NVIDIA A10 24GB PCIe Non-CEC Accelerator for HPE</b>	R9W59A/ R9W59C
<b>Performance</b>	31TF SP, 125TF FP16
<b>Memory Size</b>	24GB GDDR6
<b>Memory Bandwidth</b>	600 GB/s
<b>System Interface</b>	PCIe Gen4
<b>Power</b>	150W
<b>Form Factor</b>	4.4" H x 10.5" L, Single Slot

Supported Servers	
<b>R9W59A Supported Servers</b>	<b>CPU *</b>
HPE ProLiant XL645d Gen10 Plus	Milan
HPE ProLiant XL675d Gen10 Plus	Milan

Supported Servers	
<b>R9W59C Supported Servers</b>	<b>CPU *</b>
HPE DL345 Gen10 Plus	Milan
HPE ProLiant DL380 Gen10 Plus	Icelake
HPE SY480 Gen10 Plus E4	Icelake

NVIDIA A100 80GB non-CEC PCIe Accelerator for HPE	
<b>SKU</b>	R9P49A/ R9P49C
<b>Performance</b>	9.7TF DP, 19.5TF SP, 156TF FP16
<b>Memory Size</b>	80GB HBM2e
<b>Memory Bandwidth</b>	1935GB/s
<b>Multi-instance GPUs</b>	Various instance sizes with up to 7MIGs @ 10GB
<b>System Interface</b>	PCIe Gen4
<b>Power</b>	300W
<b>Form Factor</b>	10.5"x1.37"x4.37", Full Height, Full Length

### Standard Features

Supported Servers	
<b>R9P49A</b> <b>Supported Servers</b>	<b>CPU *</b>
HPE ProLiant XL645d Gen10 Plus	Milan
HPE ProLiant XL675d Gen10 Plus	Milan
HPE Superdome Flex 280	Cooper
HPE ProLiant XL290n Gen10 Plus	Icelake
HPE ProLiant XL270d Gen10	Icelake
HPE Edgeline EL8000 e920d	Cascad
HPE Superdome Flex	Cascad
HPE Cray XD295v	Genoa

Supported Servers	
<b>R9P49C</b> <b>Supported Servers</b>	<b>CPU *</b>
HPE ProLiant DL380 Gen10 Plus	Icelake
HPE ProLiant DL380 Gen11	SPR
HPE ProLiant DL380a Gen11	SPR

<b>R9P49C</b> <b>Supported Servers</b>	<b>CPU *</b>
HPE ProLiant DL580 Gen10	Cascad
HPE ProLiant DL385 Gen10 Plus v2	Milan
HPE DL385 Gen11	Genoa

NVIDIA A2 16GB PCIe Non-CEC Accelerator	
<b>NVIDIA A2 16GB PCIe Non-CEC Accelerator for HPE</b>	R9H23C
<b>Performance</b>	FP32: 4.5TF, TF32: 9TF, BFLOAT 16:18TF, FP16: 18TF, INT8: 36 TOPS, INT4: 72 TOPS
<b>Memory Size</b>	16 GB GDDR6
<b>Memory Bandwidth</b>	200 GB/s
<b>Multi-instance GPUs</b>	2.560
<b>System Interface</b>	PCIe Gen4 x 8
<b>Power</b>	40-60W
<b>Form Factor</b>	Single Slot, Low Profile, HHHL



### Standard Features

Supported Servers	
<b>R9H23C</b>	<b>CPU *</b>
<b>Supported Servers</b>	
HPE Alletra 4110 Gen11	SPR
HPE Alletra 4120 Gen11	SPR
HPE ProLiant DL325 Gen10 Plus v2	Milan
HPE ProLiant DL325 Gen11	Genoa
HPE ProLiant DL360 Gen10	Cascad
HPE ProLiant DL360 Gen10 Plus	Icelake
HPE ProLiant DL360 Gen11	SPR, Emerald
HPE ProLiant DL380 Gen10	Cascad
HPE ProLiant DL380 Gen10 Plus	Icelake
HPE ProLiant DL385 Gen10 Plus v2	Milan
HPE Synergy 480 Gen10 Plus H	Icelake
HPE Synergy 480 Gen10 Plus P	Icelake
HPE Synergy 480 Gen10	Cascad
HPE Edgeline EL8000 e920/e920d/e920t	Icelake
HPE Apollo 4200 Gen10 Plus	Icelake
HPE ProLiant ML350 Gen10	Cascad

NVIDIA A16 64GB non-CEC PCIe Accelerator for HPE	
<b>NVIDIA A16 64GB PCIe Non-CEC Accelerator for HPE</b>	R8T26C
<b>Performance</b>	FP32   TF32   TF321 (TFLOPS): 4x 4.5   4x 9   4x 18 FP16   FP161 (TFLOPS): 4x 17.9   4x 35.9 INT8   INT81 (TOPS): 4x 35.9   4x 71.8
<b>Memory Size</b>	64 GB GDDR-6 (16 GB/GPU)
<b>Memory Bandwidth</b>	4x 200 GB/s
<b>System Interface</b>	PCIe Gen4 x16
<b>Power</b>	250W
<b>Form Factor</b>	10.5" Dual slot, Full Height, Full Length
<b>Performance</b>	FP32   TF32   TF321 (TFLOPS): 4x 4.5   4x 9   4x 18 FP16   FP161 (TFLOPS): 4x 17.9   4x 35.9 INT8   INT81 (TOPS): 4x 35.9   4x 71.8

### Standard Features

Supported Servers	
<b>R8T26C Supported Servers</b>	<b>CPU *</b>
HPE ProLiant DL320 Gen11	SPR, Emerald
HPE ProLiant DL380 Gen10	Cascad
HPE ProLiant DL380 Gen10 Plus	Icelake
HPE ProLiant DL380 Gen11	SPR, Emerald
HPE ProLiant ML350 Gen11	SPR, Emerald
HPE Synergy 480 Gen 10 Plus	Icelake
HPE ProLiant DL385 Gen10 Plus v2	Milan
HPE ProLiant DL365 Gen11	Genoa
HPE ProLiant DL385 Gen11	Genoa

NVIDIA A30 24GB non-CEC PCIe Accelerator	
<b>NVIDIA A30 PCIe Non-CEC Accelerator for HPE</b>	R9S38C
<b>Performance</b>	10.3TF SP, 5.2TF FP64
<b>Memory Size</b>	24GB HBM2
<b>Memory Bandwidth</b>	933 GB/s
<b>System Interface</b>	PCIe Gen4
<b>Power</b>	165W
<b>Form Factor</b>	10.5" Dual slot, Full Height, Full Length

Supported Servers	
<b>R9S38C Supported Servers</b>	<b>CPU *</b>
HPE Superdome Flex	Cascad
HPE Superdome Flex 280	Cooper
HPE ProLiant DL380 Gen10	Cascad
HPE ProLiant DL380 Gen10 Plus	Icelake
HPE ProLiant DL385 Gen10 Plus v2	Milan
HPE XD295v Gen11	Genoa

### Standard Features

NVIDIA H100 80GB PCIe Accelerator for HPE	
<b>SKU</b>	R9S41C/ R9S41A
<b>Performance</b>	26TF FP64, 51TF FP32, 1,513TF FP16, 3,026 TF FP8
<b>Memory Size</b>	80GB HBM2e
<b>Memory Bandwidth</b>	2TB/s
<b>Multi-instance GPUs</b>	Up to 7MIGs @ 10GB
<b>System Interface</b>	PCIe Gen5
<b>Power</b>	300-350W (configurable)
<b>Form Factor</b>	10.5"x1.37"x4.37", Full Height, Full Length

Supported Servers	
<b>R9S41C Supported Servers</b>	<b>CPU *</b>
HPE ProLiant DL380 Gen10 Plus	Icelake
HPE ProLiant DL380 Gen11	SPR
HPE ProLiant DL380a Gen11	SPR
HPE ProLiant DL560 Gen11	SPR
HPE ProLiant DL385 Gen11	Genoa

Supported Servers	
<b>R9S41A Supported Servers</b>	<b>CPU *</b>
HPE ProLiant XL295v Gen11	Genoa
HPE ProLiant XL645d Gen10 Plus	Milan
HPE ProLiant XL675d Gen10 Plus	Milan
HPE Superdome Flex	Cascad
HPE Superdome Flex 280	Cooper

NVIDIA H100 NVL 94GB PCIe Accelerator for HPE	
<b>SKU</b>	S2D86C/ S2D86A
<b>Performance</b>	34TF FP64, 34TF FP32, 1,917TF FP16, 3,958 TG FP8
<b>Memory Size</b>	94GB HBM3
<b>Memory Bandwidth</b>	3.94TB/s
<b>Multi-instance GPUs</b>	Up to 7MIGs @ 12GB
<b>System Interface</b>	PCIe Gen5
<b>Power</b>	400W
<b>Form Factor</b>	10.5"x1.37"x4.37", Full Height, Full Length

### Standard Features

Supported Servers	
<b>S2D86C</b> <b>Supported Servers</b>	<b>CPU *</b>
HPE ProLiant DL380 Gen11	SPR
HPE ProLiant DL380a Gen11	SPR
HPE ProLiant DL385 Gen11	Genoa
HPE XL675D Gen 10 Plus	Milan

Supported Servers	
<b>S2D86A</b> <b>Supported Servers</b>	<b>CPU *</b>
HPE XL675D Gen 10 Plus	Milan

NVIDIA L4 24GB PCIe Accelerator for HPE	
<b>NVIDIA L4 24GB PCIe Accelerator for HPE</b>	S0K89C
<b>Performance</b>	30TF FP32, 242TF FP16, 485TF INT8 (with sparsity, specs are one-half lower without)
<b>Memory Size</b>	24GB GDDR6
<b>Memory Bandwidth</b>	300GB/s
<b>System Interface</b>	PCIe Gen4 x16
<b>Power</b>	72W (40W minimum)
<b>Form Factor</b>	Half-height, Half-length, Single-slot

Supported Servers	
<b>S0K89C</b> <b>Supported Servers</b>	<b>CPU *</b>
HPE Alletra 4110 Gen11	SPR
HPE Alletra 4120 Gen11	SPR
HPE Apollo 4200 Gen10 Plus	ICX
HPE ProLiant DL320 Gen11	SPR, Emerald
HPE ProLiant DL360 Gen10 Plus	Icelake
HPE ProLiant DL360 Gen11	SPR, Emerald
HPE ProLiant DL380 Gen10 Plus	Icelake
HPE ProLiant DL380 Gen11	SPR, Emerald
HPE ProLiant DL380a Gen11	SPR, Emerald
HPE ProLiant DL345 Gen11	Genoa
HPE ProLiant DL365 Gen11	Genoa
HPE ProLiant DL385 Gen11	Genoa

### Standard Features

HPE ProLiant ML110 Gen11	SPR
HPE ProLiant ML350 Gen11	SPR, Emerald
HPE EdgeLine e920, e920d, e920t	ICX
HPE Superdome Flex	Cascad
HPE Superdome Flex 280	Cooper

### NVIDIA L40 48GB PCIe Accelerator for HPE

<b>NVIDIA L40 48GB PCIe Accelerator for HPE</b>	S0K90C
<b>Performance</b>	90TF FP32, FP8 Tensor core TFLOPS 724 (with sparsity)
<b>Memory Size</b>	48GB GDDR6
<b>Memory Bandwidth</b>	864GB/s
<b>System Interface</b>	PCIe Gen4 x16
<b>Power</b>	300W
<b>Form Factor</b>	4.4"H x 10.5"L dual-slot
<b>Supported Servers</b>	
<b>S0K90C Supported Servers</b>	<b>CPU *</b>
HPE ProLiant DL320 Gen11	SPR, Emerald
HPE ProLiant DL380 Gen10 Plus	Icelake
HPE ProLiant DL380 Gen11	SPR, Emerald
HPE ProLiant DL380a Gen11	SPR, Emerald
HPE ProLiant DL385 Gen11	Genoa
HPE ProLiant DL560 Gen11	SPR
HPE ProLiant ML350 Gen11	SPR, Emerald
HPE ProLiant XL675d Gen10 Plus	Milan
HPE Superdome 3200 Server	SPR
HPE Superdome Flex	Cascade
HPE Superdome Flex 280	Cooper

### Standard Features

NVIDIA L40S 48GB PCIe Accelerator for HPE	
<b>NVIDIA L40S 48GB PCIe Accelerator for HPE</b>	S2L70A/ S2L70C
<b>Performance</b>	90TF FP32, FP8 Tensor core TFLOPS 1,466 (with sparsity)
<b>Memory Size</b>	48GB GDDR6
<b>Memory Bandwidth</b>	864GB/s
<b>System Interface</b>	PCIe Gen4 x16
<b>Power</b>	350W
<b>Form Factor</b>	4.4"H x 10.5"L dual-slot

Supported Servers	
<b>S2L70C Supported Servers</b>	<b>CPU *</b>
HPE ProLiant DL320 Gen11	SPR, Emerald
HPE ProLiant DL380 Gen11	SPR, Emerald
HPE ProLiant DL380a Gen11	SPR, Emerald
HPE ProLiant DL385 Gen11	Genoa

Supported Servers	
<b>S2L70A Supported Servers</b>	<b>CPU *</b>
HPE Cray XD295v Gen11	Genoa
HPE ProLiant Xl675d Gen10 Plus	Milan

#### Notes:

##### –CPU Type

- o Sky: 1<sup>st</sup> Gen Intel Xeon Scalable Processor
- o Cascad: 2<sup>nd</sup> Gen Intel Xeon Scalable Processor
- o Cooper: 3<sup>rd</sup> Gen Intel Xeon Scalable Processor
- o Icelake: 3<sup>rd</sup> Gen Intel Xeon Scalable Processor
- o SPR: 4<sup>th</sup> Gen Intel Xeon Scalable Processor
- o Coffee: 9<sup>th</sup> Gen Intel Core i3 Processor
- o Broad: 5<sup>th</sup> Gen Intel Xeon D Processor
- o EPYC: 1<sup>st</sup> Gen AMD EPYC Processor
- o Rome: 2<sup>nd</sup> Gen AMD EPYC Processor
- o Milan: 3<sup>rd</sup> Gen AMD EPYC Processor

## Standard Features

- o Genoa: 4<sup>th</sup> Gen AMD EPYC Processor
  - o Trento: AMD Processor
-

### 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 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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#### HPE Services - Service and Support

**Get the most from your HPE Products.** Get the expertise you need at every step of your IT journey with **HPE Services Services**. We help you lower your risks and overall costs using automation and methodologies that have been tested and refined by HPE experts through thousands of deployments globally. HPE Services **Advisory Services**, focus on your business outcomes and goals, partnering with you to design your transformation and build a roadmap tuned to your unique challenges. Our **Operational Services** can be leveraged to speed up time-to-production, boost performance and accelerate your business. HPE Services specializes in flawless and on-time implementation, on-budget execution, and creative configurations that get the most out of software and hardware alike.

#### Consume IT on your terms

**HPE 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, HPE 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

#### Managed services to run your IT operations

**HPE GreenLake Management Services** provides 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.

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#### Recommended Services

##### HPE Tech Care Service.

HPE Tech Care Service is the new operational service experience for HPE products. Tech Care 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 has been reimagined from the ground up to support 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>

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### Service and Support

#### HPE Complete Care Service

HPE Complete Care Service is a modular, edge-to-cloud IT environment service that provides a holistic approach to optimizing your entire IT environment and achieving agreed upon IT outcomes and business goals through a personalized and customer-centric 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/complecare>

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

HPE Services 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 Complete 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 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.

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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>

The 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 personalized 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.

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

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#### For more information

Visit the Hewlett Packard Enterprise Service and Support [website](#).

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### Summary of Changes

Date	Version History	Action	Description of Change
15-Apr-2024	Version 61	Changed	Overview and Standard Features sections were updated
04-Mar-2024	Version 60	Changed	Added sustaining quals and H100 NVL Overview and Standard Features sections were updated.
19-Feb-2024	Version 59	Changed	Updates and fixes
05-Feb-2024	Version 58	Changed	Removed Qualcomm AI100 PCIe, Intel Data Center GPU Flex 140 and 170. Standard Features section was updated
08-Jan-2024	Version 57	Changed	Add Qualcomm AI100 PCIe, Intel Data Center GPU Flex 140 and 170; Removed NVIDIA H100 NVL, added January sustaining quals
06-Nov-2023	Version 56	Changed	Added L40S. Overview and Standard Features sections were updated.
18-Sep-2023	Version 55	Changed	Added L40S. Overview and Standard Features sections were updated Added sustaining quals for Aug and September
10-Jul-2023	Version 54	Changed	Added links for supported OS and removed from tables
05-Jun-2023	Version 53	Changed	Added sustaining quals, adding missing NVLink bridge quals Standard Features section was updated.
03-Apr-2023	Version 52	Changed	Added L4 and L40, removed note on launched combos. Overview and Standard Features sections were updated.
06-Mar-2023	Version 51	Changed	Removed notes on launched combos. Added 2 A100, 2 H100, 1 A16. Standard Features section was updated.
06-Feb-2023	Version 50	Changed	Added H100
10-Jan-2023	Version 49	Changed	Added Gen11 quotable but not orderable systems
21-Nov-2022	Version 48	Changed	Added numerous ESXi qualifications, added back missing A30
01-Aug-2022	Version 47	Changed	Overview and Standard Features sections were updated.
05-Jul-2022	Version 46	Changed	Added A10 non-CEC, A30 non-CEC, Added A16 non-CEC, Updated DL385 Gen10 Plus with Milan processors to Gen10 Plus v2 Overview and Standard Features sections were updated.
20-Jun-2022	Version 45	Changed	Added A2 non-CEC, sustaining A40 non-CEC and sustaining A100 80GB non-CEC Overview and Standard Features sections were updated
02-May-2022	Version 44	Changed	Overview and Standard Features sections were updated. Added compatibility. Added A100 80GB non CEC PCIe and A40 48GB non-CEC.. Removed OBS V100/V100S PCIe SKUs. Removed A2 and A16.
11-Oct-2021	Version 43	Changed	Service and Support section was updated
07-Sep-2021	Version 42	Changed	Standard Features section was updated Obsolete SKUs were removed
02-Aug-2021	Version 41	Changed	Added NVIDIA A10 C-SKU Overview, Standard Features and Service and Support sections were updated.
06-Jul-2021	Version 40	Changed	Overview and Standard Features sections were updated.
07-Jun-2021	Version 39	Changed	Standard Features section was updated
04-May-2021	Version 38	Changed	Standard Features section was updated.
12-Apr-2021	Version 37	Changed	Overview and Standard Features sections were updated.
06-Apr-2021	Version 36	Changed	Overview and Standard Features sections were updated.
01-Feb-2021	Version 35	Changed	Overview and Standard Features sections were updated. Added A100 HGX Products

### Summary of Changes

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

Date	Version History	Action	Description of Change
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.

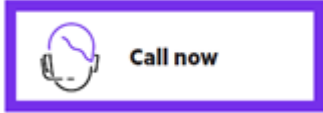
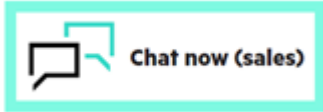
## Summary of Changes

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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