Overview

NVIDIA® Accelerators for HPE

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

NVIDIA accelerators deliver higher application acceleration than a CPU-only approach for a range of deep learning, scientific, and commercial applications. The thousands of NVIDIA CUDA® cores divide large computing or graphics tasks into thousands of smaller tasks that run concurrently to:

- Enable faster simulations and increased graphics fidelity for demanding 3D models
- Improve computational performance, reducing the completion time for parallel tasks, offering quicker time to solutions.
- Improve the user experience for VDI
- Satisfy customer NVIDIA grid software requirements with HPE Complete.
- Configure and monitor NVIDIA accelerators with HPE Insight Cluster Management Utility (CMU)., which monitors and displays GPU health and temperature, and installs and provisions the GPU drivers and CUDA software.

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 6000 Graphics Accelerator for HPE	R0Z45A
NVIDIA Quadro RTX 6000 Graphics Accelerator for HPE	R0Z45C
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 T4 16GB Computational Accelerator for HPE	R0W29A
NVIDIA T4 16GB Computational Accelerator for HPE	R0W29C
NVIDIA V100 PCIe 32GB Computational Accelerator for HPE	Q9U36A
NVIDIA V100 PCIe 32GB Computational Accelerator for HPE	Q9U36C
NVIDIA V100S 32GB Computational Accelerator for HPE	R4D73A
NVIDIA V100S 32GB Computational Accelerator for HPE	R4D73C
NVIDIA M10 Quad GPU Module for HPE	Q0J62A
NVIDIA M10 Quad GPU Module for HPE	Q0J62C
NVIDIA A100 40GB PCIe Computational Accelerator for HPE	R6B53A
NVIDIA A100 40GB PCIe Computational Accelerator for HPE	R6B53C
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 HGX A100 40GB 4-GPU Liquid Cooled FIO Baseboard for HPE	R4W70A
NVIDIA HGX A100 40GB 8-GPU Liquid Cooled FIO Baseboard for HPE	R4W71A
NVIDIA HGX A100 80GB 8-GPU Air Cooled FIO Baseboard for HPE	R7B94A
NVIDIA HGX A100 80GB 4-GPU Air Cooled FIO Baseboard for HPE	R7B93A
NVIDIA HGX A100 80GB 4-GPU Liquid Cooled FIO Baseboard for HPE	R7E29A

Hewlett Packard Enterprise

Overview

NVIDIA HGX A100 80GB 8-GPU Liquid Cooled FIO Baseboard for HPE	R7E30A
NVIDIA A40 48GB PCIe Graphics Accelerator for HPE	R7E31A
NVIDIA A40 48GB PCIe Graphics Accelerator for HPE	R7E31C
NVIDIA A10 24GB PCIe Graphics Accelerator for HPE	R7G40A
NVIDIA A30 24GB PCIe Accelerator for HPE	R7G39C

Notes: Please see the HPE ProLiant server QuickSpecs for the supported servers for configuration rules, including requirements for enablement kits.

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 that applies to the specific server product line this option can be ordered with.

-C	-A	-K21
COMPUTE	**SPECIALIZED COMPUTE**	**STORAGE**
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

Notes: 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

Supported Servers and Operating Systems							
R2U55A Supported Servers	**CPU** *	**RHEL Enterprise**	**SLES Enterprise**	**Ubuntu Community**	**Windows Enterprise**	**VMware ESXi**	**Citrix XenServer**
	-	-	-	-	-	-	-
R2U55C Supported Servers	**CPU** *	**RHEL Enterprise**	**SLES Enterprise**	**Ubuntu Community**	**Windows Enterprise**	**VMware ESXi**	**Citrix XenServer**
HPE ProLiant DL360 Gen10	Cascad	7.6	15 SP1	-	Win 19	6.5 U2	-
HPE ProLiant DL380 Gen10	Cascad	7.6	15 SP1	-	Win 19	6.5 U2	-
HPE ProLiant DL560 Gen10	Cascad	7.6	15 SP1	-	Win 19	6.5 U2	-
HPE ProLiant ML30 Gen10	Coffee	8.0	15 SP1	-	Win 19	-	-
HPE ProLiant ML110 Gen10	Cascad	7.6	15 SP1	-	Win 19	6.5 U2	-
HPE ProLiant ML350 Gen10	Cascad	7.6	15 SP1	-	Win 19	6.5 U2	-

NVIDIA Quadro P1000 Graphics Accelerator for HPE	
SKU	R3K70A | R3K70C
Performance	7.1TF 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

Supported Servers and Operating Systems							
R3K70A Supported Servers	**CPU** *	**RHEL Enterprise**	**SLES Enterprise**	**Ubuntu Community**	**Windows Enterprise**	**VMware ESXi**	**Citrix XenServer**
Edgeline EL1000 V2 m510	Broad	8.0	15 SP1	-	Win 19	-	-
Edgeline EL1000 V2 m750	Coffee	8.2	15 SP1	-	Win 19	-	-
Edgeline EL4000 V2 m750	Coffee	8.2	15 SP1	-	Win 19	-	-
Edgeline EL4000 m710x	Sky	7.6	15 SP1	-	Win 19	-	-
Edgeline EL8000 2U e910	Cascad	8.2	15 SP1	-	Win 19	-	-
Edgeline EL8000 2U e910t	Cascad	8.2	15 SP1	-	Win 19	-	-
R3K70C Supported Servers	**CPU** *	**RHEL Enterprise**	**SLES Enterprise**	**Ubuntu Community**	**Windows Enterprise**	**VMware ESXi**	**Citrix XenServer**
HPE ProLiant ML30 Gen10	Coffee	8.0	15 SP1	-	Win 19	-	-
HPE ProLiant ML110 Gen10	Cascad	7.6	15 SP1	-	Win 19	6.5 U2	-
HPE ProLiant ML350 Gen10	Cascad	7.6	15 SP1	-	Win 19	6.5 U2	-

Standard Features

NVIDIA Quadro RTX 4000 Graphics Accelerator for HPE	
SKU	R1F95A | R1F95C
Performance	7.1TF 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							
R1F95A **Supported Servers**	**CPU** *	**RHEL Enterprise**	**SLES Enterprise**	**Ubuntu Community**	**Windows Enterprise**	**VMware ESXi**	**Citrix XenServer**
HPE ProLiant xl190r Gen10	Cascad	7.6	15 SP1	-	Win 19	6.5 U2	-
R1F95C **Supported Servers**	**CPU** *	**RHEL Enterprise**	**SLES Enterprise**	**Ubuntu Community**	**Windows Enterprise**	**VMware ESXi**	**Citrix XenServer**
HPE ProLiant DL360 Gen10	Cascad	8.0	15 SP1	-	Win 19	-	-
HPE ProLiant DL380 Gen10	Cascad	7.6	15 SP1	-	Win 16	-	-
HPE ProLiant DL385 Gen10	Rome	8.0	15 SP1	-	Win 19	-	-
HPE ProLiant ML110 Gen10	Cascad	7.6	15 SP1	-	Win 16	6.5 U2	-
HPE ProLiant ML350 Gen10	Cascad	7.6	15 SP1	18.04	Win 16	-	-
HPE Synergy 480 Gen10	Cascad	7.6	15 SP1	-	-	-	-

HPE NVIDIA Quadro RTX 6000 Graphics Accelerator	
SKU	R0Z45A | R0Z45C
Performance	16.3TF SP
Memory Size	24 GB GDDR6
Memory Bandwidth	Up to 672 GB/s
Cores	4,608
System Interface	PCIe 3.0 x 16
Power	295W
Form Factor	4.4" H x 10.5" L, Dual Slot, Full Height

Supported Servers and Operating Systems							
R0Z45A **Supported Servers**	**CPU** *	**RHEL Enterprise**	**SLES Enterprise**	**Ubuntu Community**	**Windows Enterprise**	**VMware ESXi**	**Citrix XenServer**
HPE Superdome Flex	Cascad	7.6	15	-	Win 16	6.5 U2	-
HPE Superdome Flex 280	Cascad	8.2	15 SP1	-	Win 19	-	-
HPE ProLiant xl270d Gen10	Cascad	7.5/7.6	15	18.04	Win 16	6.7	7.1
Edgeline EL8000 2U e910	Cascad	8.2	15 SP1	-	Win 10/16	6.5 U2	-
R0Z45C **Supported Servers**	**CPU** *	**RHEL Enterprise**	**SLES Enterprise**	**Ubuntu Community**	**Windows Enterprise**	**VMware ESXi**	**Citrix XenServer**
HPE ProLiant DL380 Gen10	Sky	7.5	12 SP3	-	Win 16	-	-
HPE ProLiant DL380 Gen10	Cascad	7.5	15	16.04	Win 16	6.7	7.1
HPE ProLiant DL385 Gen10	EPYC	7.6	15	-	Win 16	6.7	7.1
HPE ProLiant DL385 Gen10	Rome	-	-	-	-	-	-
HPE ProLiant DL385 Gen10 Plus	Rome	8.0	15 SP1	-	Win 19	6.5 U2	-
HPE ProLiant DL580 Gen10	Cascad	7.6	15 SP1	-	Win 19	-	-
HPE ProLiant ML350 Gen10	Cascad	7.5	15	-	Win 16	-	-

Standard Features

NVIDIA Quadro RTX 8000 Graphics Accelerator for HPE

SKU	R1F97A	R1F97C
Performance	16.3TF SP
Memory Size	48 GB GDDR6
Memory Bandwidth	Up to 672 GB/s
Cores	4,608
System Interface	PCIe 3.0 x 16
Power	295W
Form Factor	4.4" H x 10.5" L, Dual Slot, Full Height

Supported Servers and Operating Systems

R1F97A Supported Servers	CPU *	RHEL Enterprise	SLES Enterprise	Ubuntu Community	Windows Enterprise	VMware ESXi	Citrix XenServer
HPE ProLiant xl190r Gen10	Cascad	7.6	15 SP1	-	Win 16	6.5 U2	-
HPE ProLiant xl270d Gen10	Cascad	7.5/7.6	15	18.04	Win 16	6.7	7.1
HPE Superdome Flex	Cascad	7.5	15 SP1	-	Win 16	6.5 U2	-
HPE Superdome Flex 280	Cooper	8.2	15 SP1	-	Win 19	-	-
R1F97C Supported Servers	**CPU ***	**RHEL Enterprise**	**SLES Enterprise**	**Ubuntu Community**	**Windows Enterprise**	**VMware ESXi**	**Citrix XenServer**
HPE ProLiant DL380 Gen10	Cascad	7.6	15	18.04	Win 16	6.7	7.1
HPE ProLiant DL385 Gen10	EPYC	7.6	15	-	Win 16	6.7	7.1
HPE ProLiant DL385 Gen10	Rome	7.6	15 SP1	-	Win 19	6.5 U2	-
HPE ProLiant DL385 Gen10 Plus	Rome	8.0	15 SP1	-	Win 19	6.5 U2	-
HPE ProLiant DL580 Gen10	Cascad	7.6	15 SP1	-	Win 19	-	-
HPE ProLiant ML350 Gen10	Cascad	-	15 SP1	-	-	-	-
HPE Synergy 480 Gen10	Cascad	7.6	15 SP1	-	Win 19	-	-

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

SKU	R1F96A	R1F96C

Supported Servers and Operating Systems

R1F96A Supported Servers	CPU *	RHEL Enterprise	SLES Enterprise	Ubuntu Community	Windows Enterprise	VMware ESXi	Citrix XenServer
	-	-	-	-	-	-	-
R1F96C Supported Servers	**CPU ***	**RHEL Enterprise**	**SLES Enterprise**	**Ubuntu Community**	**Windows Enterprise**	**VMware ESXi**	**Citrix XenServer**
HPE ProLiant ML350 Gen10	Cascad	See HPE NVIDIA RTX 6000 Graphics Accelerator for details					
HPE ProLiant ML350 Gen10	Cascad	See HPE NVIDIA RTX 8000 Graphics Accelerator for details					

Standard Features

NVIDIA Tesla T4 16GB Computational Accelerator for HPE	
SKU	R0W29A | R0W29C
Performance	8.1TF SP
Memory Size	16 GB GDDR6
Memory Bandwidth	Up to 320 GB/s
Cores	2.560
System Interface	PCIe 3.0 x 16
Power	70W
Form Factor	2.713" H x 6.65" L, Single Slot, Low Profile

Supported Servers and Operating Systems

R0W29A Supported Servers	CPU *	RHEL Enterprise	SLES Enterprise	Ubuntu Community	Windows Enterprise	VMware ESXi	Citrix XenServer
HPE ProLiant xl190r Gen 10	Cascad	7.5/7.6	15	-	Win 16	6.7	7.1
HPE ProLiant xl270d Gen 10	Cascad	7.5/7.6	15	18.04	Win 16	6.7	7.1
Edgeline EL1000 m510	Broad	-	15	-	Win 10	6.7	7.1
Edgeline EL1000 m710x	Sky	-	15	-	Win 10	6.7	7.1
Edgeline EL1000 V2 m750	Coffee	8.2	15 SP1	-	Win 19	-	-
Edgeline EL4000 m510	Broad	-	15	-	Win 10	6.7	7.1
Edgeline EL4000 m710x	Sky	-	15	-	Win 10	6.7	7.1
Edgeline EL4000 V2 m750	Coffee	8.2	15 SP1	-	Win 19	-	-
Edgeline EL8000 1U e910	Cascad	7.6	-	-	Win 10	6.7	7.1
Edgeline EL8000 2U e910	Cascad	7.6	-	-	-	6.7	7.1
HPE Superdome Flex	Cascad	8.2	15 SP1	-	Win 19	-	-
HPE Superdome Flex 280	Cooper	8.2	15 SP1	-	Win 19	-	-
R0W29C Supported Servers	CPU *	RHEL Enterprise	SLES Enterprise	Ubuntu Community	Windows Enterprise	VMware ESXi	Citrix XenServer
HPE ProLiant DL325 Gen10	EPYC	7.5	15	-	Win 16	6.7	7.1
HPE ProLiant DL325 Gen10	Rome	7.5	15	-	Win 16	-	-
HPE ProLiant DL325 Gen10 Plus	Rome	7.6	15 SP1	-	Win 19	-	-
HPE ProLiant DL360Gen10	Sky	7.5	12 SP3	-	Win 16	6.7	7.1
HPE ProLiant DL360 Gen10	Cascad	7.5	15	-	Win 16	6.7	7.1
HPE ProLiant DL360 Gen10 Plus	Icelake	8.3	15 SP3	20.04	Win19		
HPE ProLiant DL380 Gen10	Sky	7.5	12 SP3	16.04	Win 16	6.7	7.1
HPE ProLiant DL380 Gen10	Cascad	7.5	12 SP3	16.04	Win 16	6.7	7.1
HPE ProLiant DL385 Gen10	EPYC	7.5	12 SP3	16.04	Win 16	6.7	-
HPE ProLiant DL385 Gen10	Rome	7.5	12 SP3	-	Win 16	-	-
HPE ProLiant DL385 Gen10 Plus	Rome	8.0	15 SP1	-	Win 19	6.5 U2	-
HPE ProLiant DL385 Gen10 Plus	Milan	8.2	15 SP1	19.xx	Win 19	-	-
HPE ProLiant DL560 Gen10	Cascad	7.6	15 SP1	-	Win 19	6.5 U2	-
HPE ProLiant ML350 Gen10	Cascad	7.5	15	-	Win 16	6.7	-
HPE Synergy 480 Gen10	Cascad	7.6	15 SP1	-	-	-	-
HPE Synergy 480 Gen10 Plus P	Icelake	8.3	15 SP3	20.04	Win19	-	-
HPE Synergy 480 Gen10 Plus H	Icelake	8.3	15 SP3	20.04	Win19	-	-

Standard Features

NVIDIA V100 SXM2 32GB Computational Accelerator for HPE

SKU	Q9U37A
Performance	7.8TF DP, 15.7TF SP, 125TF FP16
Memory Size	32GB HBM2
Memory Bandwidth	900 GB/s
Cores	5,120
System Interface	NVLink
Power	300W
Form Factor	SXM2

Supported Servers and Operating Systems

Q9U37A Supported Servers	CPU *	RHEL Enterprise	SLES Enterprise	Ubuntu Community	Windows Enterprise	VMware ESXi	Citrix XenServer
HPE ProLiant xl270d Gen10	Sky	7.4	12 SP3	16.04	-	-	-
HPE ProLiant xl270d Gen10	Cascad	7.5	15	16.04	Win 16	6.7	7.1

NVIDIA V100 PCIe 32GB Computational Accelerator for HPE

SKU	Q9U36A | Q9U36C
Performance	7TF DP, 14TF SP, 112TF FP16
Memory Size	32GB HBM2
Memory Bandwidth	900 GB/s
Cores	5,120
System Interface	PCIe Gen3
Power	250W
Form Factor	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 xl190r Gen 10	Sky	7.4	12 SP3	-	-	-	-
HPE ProLiant xl190r Gen 10	Cascad	7.5	15	-	Win 16	6.7	7.1
HPE ProLiant xl270d Gen 10	Sky	7.4	12 SP3	16.04	-	-	-
HPE ProLiant xl270d Gen 10	Cascad	7.5	15	16.04	Win 16	6.7	7.1
Edgeline EL8000 2U e910	Cascad	7.6	15 SP1	-	-	6.7	7.1
HPE Superdome Flex	Sky	7.5	15	-	-	-	-
HPE Superdome Flex	Cooper	7.6	15	-	Win 16	6.7	7.1
Q9U36C **Supported Servers**	**CPU** *	**RHEL** **Enterprise**	**SLES** **Enterprise**	**Ubuntu** **Community**	**Windows** **Enterprise**	**VMware** **ESXi**	**Citrix** **XenServer**
HPE ProLiant DL380 Gen10	Sky	7.4	12 SP3	-	Win 16	-	-
HPE ProLiant DL380 Gen10	Cascad	7.5	15	16.04	Win 16	6.7	7.1
HPE ProLiant DL385 Gen10	EPYC	7.4	12 SP3	-	Win 16	-	-
HPE ProLiant DL385 Gen10	Rome	7.6	-	-	-	6.5 U2	-
HPE ProLiant DL580 Gen10	Sky	7.5	15	-	Win 16	6.7	7.1

Standard Features

NVIDIA V100S PCIe 32GB Computational Accelerator for HPE	
SKU	R4D73A | R4D73C
Performance	8.2TF DP, 16.4TF SP, 130TF FP16
Memory Size	32GB HBM2
Memory Bandwidth	1126 GB/s
Cores	5,120
System Interface	PCIe Gen3
Power	250W
Form Factor	4.4" H x 10.5" L, Dual Slot, Full Height, Full Length

Supported Servers and Operating Systems							
R4D73A Supported Servers	**CPU** *	**RHEL Enterprise**	**SLES Enterprise**	**Ubuntu Community**	**Windows Enterprise**	**VMware ESXi**	**Citrix XenServer**
HPE ProLiant xl190r Gen 10	Cascad	8.0	15 SP1	-	Win 19	6.7 U3	8.0
HPE ProLiant xl270d Gen 10	Cascad	8.0	15 SP1	-	Win 19	6.7 U3	8.0
Edgeline EL8000 2U e910	Cascad	8.0	15 SP1	-	Win 19	6.7 U3	8.0
HPE Superdome Flex	Cascad	8.0	15 SP1	-	Win 19	-	-
HPE Superdome Flex 280	Cooper	8.2	15 SP1	-	Win 19	-	-
R4D73C Supported Servers	**CPU** *	**RHEL Enterprise**	**SLES Enterprise**	**Ubuntu Community**	**Windows Enterprise**	**VMware ESXi**	**Citrix XenServer**
HPE ProLiant DL380 Gen10	Cascad	8.0	15 SP1	-	Win 19	6.7 U3	8.0
HPE ProLiant DL385 Gen10 Plus	Rome	8.0	15 SP1	-	Win 19	6.7 U3	8.0
HPE Synergy 480 Gen10	Cascad	8.0	15 SP1	-	Win 19	6.7 U3	8.0

NVIDIA M10 Quad GPU Module for HPE	
SKU	Q0J62A | Q0J62C
Memory Size	32GB GDDR5
Cores	2,560
System Interface	PCIe Gen3
Power	225W
Form Factor	4.4" H x 10.5" L, Dual Slot, Full Height

Supported Servers and Operating Systems							
Q0J62A Supported Servers	**CPU** *	**RHEL Enterprise**	**SLES Enterprise**	**Ubuntu Community**	**Windows Enterprise**	**VMware ESXi**	**Citrix XenServer**
HPE ProLiant xl190r Gen 10	Sky	-	-	-	-	-	-
HPE ProLiant xl190r Gen 10	Cascad	-	15 (MFG)	-	-	6.7	7.1
Q0J62C Supported Servers	**CPU** *	**RHEL Enterprise**	**SLES Enterprise**	**Ubuntu Community**	**Windows Enterprise**	**VMware ESXi**	**Citrix XenServer**
HPE ProLiant DL380 Gen10	Sky	-	-	-	-	-	-
HPE ProLiant DL380 Gen10	Cascad	-	15 (MFG)	-	-	6.7	7.1
HPE ProLiant DL385 Gen10	EPYC	-	15 (MFG)	-	-	6.5 U2	7.1
HPE ProLiant DL385 Gen10	Rome	-	-	-	-	-	-
HPE ProLiant ML350 Gen10	Sky	-	-	-	-	-	-
HPE ProLiant ML350 Gen10	Cascad	-	15 (MFG)	-	-	6.7	7.1

Standard Features

NVIDIA Tesla A100 PCIe 40GB Computational Accelerator for HPE

SKU	R6B53A/R6B53C
Performance	9.7TF DP, 19.5TF SP, 156TF FP16
Memory Size	40GB HBM2
Memory Bandwidth	1555 GB/s
Multi-instance GPUs	Various instance sizes with up to 7MIGs @ 5GB
System Interface	PCIe Gen4
Power	250W
Form Factor	10.5"x1.37"x4.37", Full Height, Full Length

Supported Servers and Operating Systems

R6B53A Supported Servers	CPU *	RHEL Enterprise	SLES Enterprise	Ubuntu Community	Windows Enterprise	VMware ESXi	Citrix XenServer
HPE ProLiant xl270d Gen 10	Cascad	8.0	15 SP1	19.1	Win 19	-	-
HPE ProLiant xl645d Gen 10 Plus	Rome	-	-	-	-	-	-
HPE ProLiant xl645d Gen 10 Plus	Milan	-	-	-	-	-	-
HPE ProLiant xl675d Gen 10 Plus	Rome	8.2	15 SP1	19.1	Win 19	-	-
HPE ProLiant xl675d Gen 10 Plus	Milan	-	-	-	-	-	-
Edgeline EL8000 2U e910	Cascad	8.2	15 SP1	-	Win 19	-	-
Edgeline EL8000 2U e910t	Cascad	8.2	15 SP1	-	Win 19	-	-
HPE Superdome Flex 280	Cooper	8.3	15 SP1	20.04	Win 19	-	-
R6B53C Supported Servers	CPU *	RHEL Enterprise	SLES Enterprise	Ubuntu Community	Windows Enterprise	VMware ESXi	Citrix XenServer
HPE ProLiant DL380 Gen10	Cascad	8.0	15 SP1	19.1	Win 19	-	-
HPE ProLiant DL385 Gen10 Plus	Rome	8.2	15 SP1	19.1	Win 19	-	-
HPE ProLiant DL385 Gen10 Plus	Milan	8.2	15 SP1	19.1	Win 19	-	-
HPE ProLiant DL380 Gen10 Plus	Icelake	8.3	15 SP3	20.04	Win19	-	-
HPE Synergy 480 Gen10	Cascad	8.2	15 SP1	19.1	Win 19	-	-

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

NVIDIA Ampere 2-way 2-slot Bridge for HPE	R6V66A

Supported Servers and Operating Systems

R6V66A Supported Servers	CPU *	RHEL Enterprise	SLES Enterprise	Ubuntu Community	Windows Enterprise	VMware ESXi	Citrix XenServer
HPE ProLiant xl645d Gen 10 Plus	Rome	See HPE NVIDIA Tesla A100 PCIe 40GB Computational Accelerator for details					
HPE ProLiant xl645d Gen 10 Plus	Milan	See HPE NVIDIA Tesla A100 PCIe 40GB Computational Accelerator for details					
HPE ProLiant xl675d Gen 10 Plus	Rome	See HPE NVIDIA Tesla A100 PCIe 40GB Computational Accelerator for details					
HPE ProLiant xl675d Gen 10 Plus	Milan	See HPE NVIDIA Tesla A100 PCIe 40GB Computational Accelerator for details					

Standard Features

NVIDIA HGX A100 40GB 8 GPU AIR FIO BSBRD	
SKU	R3V64A
Performance	19.5 TF DP , 19.5TF SP, 312TF FP16
Number of GPU/Baseboard	8
Memory Size/GPU	40GB HBM2
Memory Bandwidth	1555 GB/s
Cores	Various instance sizes with up to 7MIGs @ 5GB
System Interface	NVLink
Power; GPU/Baseboard	400W (3200W)
Form Factor	SXM4

Supported Servers and Operating Systems							
R3V64A Supported Servers	**CPU**	**RHEL Enterprise**	**SLES Enterprise**	**Ubuntu Community**	**Windows Enterprise**	**VMware ESXi**	**Citrix XenServer**
HPE ProLiant XL675d Gen10 Plus	Rome	8.2	15 SP1	19.1	-	-	-
HPE ProLiant XL675d Gen10 Plus	Milan	8.2	15 SP1	19.1	-	-	-

NVIDIA HGX A100 40GB 8 GPU LQD FIO BSBRD	
SKU	R4W71A
Performance	19.5 TF DP , 19.5TF SP, 312TF FP16
Number of GPU/Baseboard	8
Memory Size/GPU	40GB HBM2
Memory Bandwidth	1555 GB/s
Cores	Various instance sizes with up to 7MIGs @ 5GB
System Interface	NVLink
Power; GPU/Baseboard	500W (4000W)
Form Factor	SXM4

Supported Servers and Operating Systems							
R4W71A Supported Servers	**CPU**	**RHEL Enterprise**	**SLES Enterprise**	**Ubuntu Community**	**Windows Enterprise**	**VMware ESXi**	**Citrix XenServer**
HPE ProLiant XL675d Gen10 Plus	Rome	-	-	-	-	-	-
HPE ProLiant XL675d Gen10 Plus	Milan	-	-	-	-	-	-

Standard Features

NVIDIA HGX A100 40GB 4 GPU AIR FIO BSBRD

SKU	R3V35A
Performance	19.5 TF DP , 19.5TF SP, 312TF FP16
Number of GPU/Baseboard	4
Memory Size/GPU	40GB HBM2
Memory Bandwidth	1555 GB/s
Cores	Various instance sizes with up to 7MIGs @ 5GB
System Interface	NVLink
Power; GPU/Baseboard	400W (1600W)
Form Factor	SXM4

Supported Servers and Operating Systems

R3V35A Supported Servers	CPU	RHEL Enterprise	SLES Enterprise	Ubuntu Community	Windows Enterprise	VMwar e ESXi	Citrix XenServer
HPE ProLiant XL645d Gen10 Plus	Rome	-	-	-	-	-	-
HPE ProLiant XL645d Gen10 Plus	Milan	-	-	-	-	-	-

NVIDIA HGX A100 40GB 4 GPU LQD FIO BSBRD

SKU	R4W70A
Performance	19.5 TF DP , 19.5TF SP, 312TF FP16
Number of GPU/Baseboard	4
Memory Size/GPU	40GB HBM2
Memory Bandwidth	1555 GB/s
Cores	Various instance sizes with up to 7MIGs @ 5GB
System Interface	NVLink
Power; GPU/Baseboard	500W (2000W)
Form Factor	SXM4

Supported Servers and Operating Systems

R4W70A Supported Servers	CPU	RHEL Enterprise	SLES Enterprise	Ubuntu Community	Windows Enterprise	VMwar e ESXi	Citrix XenServer
HPE ProLiant XL645d Gen10 Plus	Rome	-	-	-	-	-	-
HPE ProLiant XL645d Gen10 Plus	Milan	-	-	-	-	-	-
EX235n	Trento	-	15 SP1	-	-	-	-

Standard Features

NVIDIA HGX A100 80GB 4 GPU LQD FIO BSBRD

SKU	R7E29A
Performance	19.5 TF DP , 19.5TF SP, 312TF FP16
Number of GPU/Baseboard	4
Memory Size/GPU	80GB HBM2
Memory Bandwidth	2039 GB/s
Cores	Various instance sizes with up to 7MIGs @ 5GB
System Interface	NVLink
Power; GPU/Baseboard	500W (2000W)
Form Factor	SXM4

Supported Servers and Operating Systems

R7E29A Supported Servers	CPU	RHEL Enterprise	SLES Enterprise	Ubuntu Community	Windows Enterprise	VMware ESXi	Citrix XenServer
HPE ProLiant XL645d Gen10 Plus	Rome	-	-	-	-	-	-
HPE ProLiant XL645d Gen10 Plus	Milan	-	-	-	-	-	-

NVIDIA HGX A100 80GB 4 GPU AIR FIO BSBRD

SKU	R7B93A
Performance	19.5 TF DP , 19.5TF SP, 312TF FP16
Number of GPU/Baseboard	4
Memory Size/GPU	80GB HBM2
Memory Bandwidth	2039 GB/s
Cores	Various instance sizes with up to 7MIGs @ 5GB
System Interface	NVLink
Power; GPU/Baseboard	400W (1600W)
Form Factor	SXM4

Supported Servers and Operating Systems

R7B93A Supported Servers	CPU	RHEL Enterprise	SLES Enterprise	Ubuntu Community	Windows Enterprise	VMware ESXi	Citrix XenServer
HPE ProLiant XL645d Gen10 Plus	Rome	-	-	-	-	-	-
HPE ProLiant XL645d Gen10 Plus	Milan	-	-	-	-	-	-

Standard Features

NVIDIA HGX A100 80GB 8 GPU AIR FIO BSBRD

SKU	R7B94A
Performance	19.5 TF DP , 19.5TF SP, 312TF FP16
Number of GPU/Baseboard	8
Memory Size/GPU	80GB HBM2
Memory Bandwidth	2039 GB/s
Cores	Various instance sizes with up to 7MIGs @ 5GB
System Interface	NVLink
Power; GPU/Baseboard	400W (3200W)
Form Factor	SXM4

Supported Servers and Operating Systems

R7B94A Supported Servers	CPU	RHEL Enterprise	SLES Enterprise	Ubuntu Community	Windows Enterprise	VMware ESXi	Citrix XenServer
HPE ProLiant XL675d Gen10 Plus	Rome	-	-	-	-	-	-
HPE ProLiant XL675d Gen10 Plus	Milan	-	-	-	-	-	-

NVIDIA HGX A100 80GB 8 GPU LQD FIO BSBRD

SKU	R7E30A
Performance	19.5 TF DP , 19.5TF SP, 312TF FP16
Number of GPU/Baseboard	8
Memory Size/GPU	80GB HBM2
Memory Bandwidth	2039 GB/s
Cores	Various instance sizes with up to 7MIGs @ 5GB
System Interface	NVLink
Power; GPU/Baseboard	500W (4000W)
Form Factor	SXM4

Supported Servers and Operating Systems

R7E30A Supported Servers	CPU	RHEL Enterprise	SLES Enterprise	Ubuntu Community	Windows Enterprise	VMware ESXi	Citrix XenServer
HPE ProLiant XL675d Gen10 Plus	Rome	-	-	-	-	-	-
HPE ProLiant XL675d Gen10 Plus	Milan	-	-	-	-	-	-

Standard Features

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

Supported Servers and Operating Systems							
R7E31A **Supported Servers**	**CPU** *	**RHEL** **Enterprise**	**SLES** **Enterprise**	**Ubuntu** **Community**	**Windows** **Enterprise**	**VMware** **ESXi**	**Citrix** **XenServer**
HPE ProLiant XL645d Gen10 Plus	Milan	8.3	15 SP2	20.04	Win 19	-	-
HPE ProLiant XL675d Gen10 Plus	Milan	8.3	15 SP2	20.04	Win 19	-	-
R7E31C **Supported Servers**	**CPU** *	**RHEL** **Enterprise**	**SLES** **Enterprise**	**Ubuntu** **Community**	**Windows** **Enterprise**	**VMware** **ESXi**	**Citrix** **XenServer**
HPE Synergy 480 Gen10	Cascad	8.3	15 SP2	-	Win 19	7.0	8.2
HPE Synergy 480 Gen10 Plus E2	Icelake	8.3	15 SP3	20.04	Win19	-	-
HPE ProLiant DL385 Gen10 Plus	Milan	8.3	15 SP3	20.04	Win19	-	-
HPE ProLiant DL380 Gen10 Plus	Icelake	8.3	15 SP3	20.04	Win19	-	-

NVIDIA A30 24GB PCIe GPU Module	
SKU	R7G39C
Performance	5.2TF DP, 10.3TF SP, 165TF FP16
Memory Size	24GB HBM2
Memory Bandwidth	933 GB/s
Multi-Instance GPUs	4 MIGs @ 6GB each 2 MIGs @ 12GB each 1 MIGs @ 24GB
System Interface	PCIe Gen4
Power	165W
Form Factor	10.5"x1.37"x4.37", Full Height, Full Length

Supported Servers and Operating Systems							
R7G40A **Supported Servers**	**CPU** *	**RHEL** **Enterprise**	**SLES** **Enterprise**	**Ubuntu** **Community**	**Windows** **Enterprise**	**VMware** **ESXi**	**Citrix** **XenServer**
HPE ProLiant DL380 Gen10 Plus	Icelake	8.3	15 SP3	20.04	Win19	-	-

Standard Features

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

Supported Servers and Operating Systems							
R7G40A Supported Servers	**CPU ***	**RHEL Enterprise**	**SLES Enterprise**	**Ubuntu Community**	**Windows Enterprise**	**VMware ESXi**	**Citrix XenServer**
HPE ProLiant XL645d Gen10 Plus	Milan	8.3	15 SP2	-	Win 19	-	-
HPE ProLiant XL675d Gen10 Plus	Milan	8.3	15 SP2	-	Win 19	-	-

Notes:

‒ CPU Type*
  - o Sky: 1st Gen Intel Xeon Scalable Processor
  - o Cascad: 2nd Gen Intel Xeon Scalable Processor
  - o Cooper: 3rd Gen Intel Xeon Scalable Processor
  - o Coffee: 9th Gen Intel Core i3 Processor
  - o Broad: 5th Gen Intel Xeon D Processor
  - o EPYC: 1st Gen AMD EPYC Processor
  - o Rome: 2nd Gen AMD EPYC Processor
  - o Milan: 3nd 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 particular option.

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.

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.

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.

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.

For more information
Visit the Hewlett Packard Enterprise Service and Support **website.**

Summary of Changes

Date	Version History	Action	Description of Change
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
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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