GIGABYTE™

Qualification Vendor List

Intel CPU

Product Name	Vendor	Code Name	Q-Spec	Stepping	Cache	# of Cores	Processor Base Frequency (GHz)	Max Turbo Frequency (GHz)	TDP	Memory Types
Sierra Forest-SP										
Don't write "Test Items" under this line!!!										
Intel® Xeon® 6 6710E	Intel	Sierra Forest-SP	Q4W3	C-0	96MB	64	2.4	3.2	205W	DDR5-5600
Intel® Xeon® 6 6731E	Intel	Sierra Forest-SP	Q4VZ	C-0	96MB	96	2.2	3.1	250W	DDR5-5600
Intel® Xeon® 6 6740E	Intel	Sierra Forest-SP	Q4VV	C-0	96MB	96	2.4	3.2	250W	DDR5-6400
Intel® Xeon® 6 6746E	Intel	Sierra Forest-SP	Q4W2	C-0	96MB	112	2	2.7	250W	DDR5-5600
Intel® Xeon® 6 6756E	Intel	Sierra Forest-SP	Q4VY	C-0	96MB	128	1.8	2.6	225W	DDR5-6400
Intel® Xeon® 6 6766E	Intel	Sierra Forest-SP	Q4VX	C-0	108MB	144	1.9	2.7	250W	DDR5-6400
Intel® Xeon® 6 6780E	Intel	Sierra Forest-SP	Q4WS	C-0	108MB	144	2.2	3	330W	DDR5-6400
Don't write "Test Items" under this line!!!										

Memory

Product Name	Vendor	Memory Type	Size	Chip Brand	Rank	Voltage	Data Transfer Rate	Error Correction	Pins	Remark
DDR5 RDIMM										
Don't write "Test Items" under this line!!!										
M321R4GA0PB2-CCPWC	Samsung	DDR5	32GB	Samsung-Rambus	1Rx4	1.1v	6400MHz	ECC Registered	288-pin	
M321R4GA3PB2-CCPWC	Samsung	DDR5	32GB	Samsung-Rambus	2Rx8	1.1v	6400MHz	ECC Registered	288-pin	
M321R4GA0PB2-CCPPC	Samsung	DDR5	32GB	Samsung-Montage	1Rx4	1.1v	6400MHz	ECC Registered	288-pin	
M321R4GA3PB2-CCPPC	Samsung	DDR5	32GB	Samsung-Montage	2Rx8	1.1v	6400MHz	ECC Registered	288-pin	
M321R8GA0PB2-CCPKC	Samsung	DDR5	64GB	Samsung-Montage	2Rx4	1.1v	6400MHz	ECC Registered	288-pin	
M321R8GA0PB2-CCPPC	Samsung	DDR5	64GB	Samsung-Montage	2Rx4	1.1v	6400MHz	ECC Registered	288-pin	
M321R8GA0PB2-CCPWC	Samsung	DDR5	64GB	Samsung-Rambus	2Rx4	1.1v	6400MHz	ECC Registered	288-pin	
Don't write "Test Items" under this line!!!										

HDD

Product Name	Vendor	Type	Form Factor	Format	Capacity	Interface Speed	Series	Cache	RPM	Encrption
SATA HDD										
Don't write "Test Items" under this line!!!										
ST16000NM001G	Seagate	SATA	3.5"	512e/4Kn	16TB	6Gb/s	Exos X16	256MB	7200	N/A
ST18000NM0092	Seagate	SATA	3.5"	512e/4Kn	18TB	6Gb/s	EXOS 2x18	256MB	7200	N/A
ST24000NM002H	Seagate	SATA	3.5"	512e	24TB	6Gb/s	EXOS X24	256MB	7200	N/A
MG08ADA800E	Toshiba	SATA	3.5"	512e	8TB	6Gb/s	MG08-D	256MB	7200	N/A
MG08ACA16TE	Toshiba	SATA	3.5"	512e	16TB	6Gb/s	MG08	512MB	7200	N/A
MG09ACA18TE	Toshiba	SATA	3.5"	512e	18TB	6Gb/s	MG09	512MB	7200	N/A
MG10ACA20TE	Toshiba	SATA	3.5"	512e	20TB	6Gb/s	MG10	512MB	7200	N/A
MG10AFA22TE	Toshiba	SATA	3.5"	512e	22TB	6Gb/s	MG10F	512MB	7200	N/A
HUS722T2TALA604	WD	SATA	3.5"	512n	2TB	6Gb/s	Ultrastar DC HA210	128MB	7200	N/A
HUS726T6TALE6L4	WD	SATA	3.5"	512e	6TB	6Gb/s	Ultrastar DC HC310	256MB	7200	N/A
WUH721818ALE6L4	WD	SATA	3.5"	512e	18TB	6Gb/s	Ultrastar DC HC550	512MB	7200	N/A
WUH722020BLE6L4	WD	SATA	3.5"	512e	20TB	6Gb/s	Ultrastar DC HC560	512MB	7200	N/A
Don't write "Test Items" under this line!!!										

SATA/SAS SSD

Product Name	Vendor	Type	Form Factor	Interface	Capacity	Interface Speed	Series	Remark
SATA SSD								
Don't write "Test Items" under this line!!!								
MTFDDAK240TGA-1BC1ZABYY	Micron	SSD	2.5"	SATA	240GB	6Gb/s	5400 PRO Series	
MTFDDAK480TGA-1BC1ZABYY	Micron	SSD	2.5"	SATA	480GB	6Gb/s	5400 PRO Series	
MTFDDAK480TGB-1BC1ZABYY	Micron	SSD	2.5"	SATA	480GB	6Gb/s	5400 MAX Series	
MTFDDAK960TGA-1BC1ZABYY	Micron	SSD	2.5"	SATA	960GB	6Gb/s	5400 PRO Series	
MTFDDAK960TGB-1BC1ZABYY	Micron	SSD	2.5"	SATA	960GB	6Gb/s	5400 MAX Series	
MTFDDAK1T9TGA-1BC1ZABYY	Micron	SSD	2.5"	SATA	1.92TB	6Gb/s	5400 PRO Series	
MTFDDAK1T9TGB-1BC1ZABYY	Micron	SSD	2.5"	SATA	1.92TB	6Gb/s	5400 MAX Series	
MZ7L3480HBLT-00A07	Samsung	SSD	2.5"	SATA	480GB	6Gb/s	PM897 Series	

MZ7L3960HBLT-00A07	Samsung	SSD	2.5"	SATA	960GB	6Gb/s	PM897 Series	
MZ7L31T9HBNA-00A07	Samsung	SSD	2.5"	SATA	1.92TB	6Gb/s	PM897 Series	

Don't write "Test Items" under this line!!!

NVMe/SATA M.2

Product Name	Vendor	Type	Form Factor	Interface	Capacity	Interface Speed	Series	Other	Remark

NVMe M.2

Don't write "Test Items" under this line!!!

MTFDKBG960TFR	Micron	M.2	22110	PCIe(NVMe)	960GB	PCIe Gen4 x4	7450 Pro Series	VROC support	
MTFDKBG1T9TFR	Micron	M.2	22110	PCIe(NVMe)	1.92TB	PCIe Gen4 x4	7450 Pro Series	VROC support	
MTFDKBG3T8TFR	Micron	M.2	22110	PCIe(NVMe)	3.84TB	PCIe Gen4 x4	7450 Pro Series	VROC support	
MZ1L2960HCJR	Samsung	M.2	22110	PCIe(NVMe)	960GB	PCIe Gen4 x4	PM9A3 Series	VROC support	
MZ1L21T9HCLS	Samsung	M.2	22110	PCIe(NVMe)	1.92TB	PCIe Gen4 x4	PM9A3 Series	VROC support	
SM2P41B8P-200GC	ADATA	M.2	2280	PCIe(NVMe)	200GB	PCIe Gen4 x4	SM2P41B8P Series		
SM2P41B8P-400GC	ADATA	M.2	2280	PCIe(NVMe)	400GB	PCIe Gen4 x4	SM2P41B8P Series		
MTFDKBA800TFC	Micron	M.2	2280	PCIe(NVMe)	800GB	PCIe Gen4 x4	7400 Max Series	VROC support	
MTFDKBA800TFS	Micron	M.2	2280	PCIe(NVMe)	800GB	PCIe Gen4 x4	7450 Max Series	VROC support	
D1802K02480GP01512G00	PHISON / PASCARI	M.2	2280	PCIe(NVMe)	480GB	PCIe Gen4 x4	D100P Series		
CA6-8D256	SSSTC	M.2	2280	PCIe(NVMe)	256GB	PCIe Gen4 x4	CA6 Series		
PJ1-GW480	SSSTC	M.2	2280	PCIe(NVMe)	480GB	PCIe Gen4 x4	PJ1 Series		
CA6-8D512	SSSTC	M.2	2280	PCIe(NVMe)	512GB	PCIe Gen4 x4	CA6 Series		
PJ1-GW960	SSSTC	M.2	2280	PCIe(NVMe)	960GB	PCIe Gen4 x4	PJ1 Series		
CA6-8D1024	SSSTC	M.2	2280	PCIe(NVMe)	1TB	PCIe Gen4 x4	CA6 Series		
PJ1-GW1920	SSSTC	M.2	2280	PCIe(NVMe)	1.92TB	PCIe Gen4 x4	PJ1 Series		
CA6-8D2048	SSSTC	M.2	2280	PCIe(NVMe)	2TB	PCIe Gen4 x4	CA6 Series		

Don't write "Test Items" under this line!!!

Storage Card

Product Name	Vendor	Chipset/Controller	Interface	Internal Ports	Internal Connectors	Extrenal Ports	External Connectors	Data Rate	Remark

Broadcom

Don't write "Test Items" under this line!!!

Product Name	Vendor	Chipset/Controller	Interface	Internal Ports	Internal Connectors	Extrenal Ports	External Connectors	Data Rate	Remark
eHBA 9600-16e Tri-Mode Storage Adapter	Broadcom	SAS4016 (Avenger IOC)	PCIe Gen4 x8	-	-	16	4 SFF-8644	Up to 24Gb/s per port	
eHBA 9600-24i Tri-Mode Storage Adapter (NVMe)	Broadcom	SAS4024 (Avenger IOC)	PCIe Gen4 x8	24	3 SlimSAS SFF-8654	-	-	Up to 24Gb/s per port	
eHBA 9600-24i Tri-Mode Storage Adapter (SAS/SATA mode)	Broadcom	SAS4024 (Avenger IOC)	PCIe Gen4 x8	24	3 SlimSAS SFF-8654	-	-	Up to 24Gb/s per port	
eHBA 9600W-16e Tri-Mode Storage Adapter	Broadcom	SAS4016W (Avenger IOC)	PCIe Gen4 x16	-	-	16	4 SFF-8644	Up to 24Gb/s per port	
eHBA 9620-16i Tri-Mode Storage Adapter (NVMe)	Broadcom	SAS4106 (Avenger IOC)	PCIe Gen4 x8	16	2 SlimSAS SFF-8654	-	-	Up to 24Gb/s per port	
eHBA 9620-16i Tri-Mode Storage Adapter (SAS/SATA mode)	Broadcom	SAS4106 (Avenger IOC)	PCIe Gen4 x8	16	2 SlimSAS SFF-8654	-	-	Up to 24Gb/s per port	
HBA 9500-16i Tri-Mode Storage Adapter (NVMe)	Broadcom	SAS3816	PCIe Gen4 x8	16	2 SlimSAS SFF-8654	-	-	Up to 12Gb/s per port	
HBA 9500-16i Tri-Mode Storage Adapter (SAS/SATA mode)	Broadcom	SAS3816	PCIe Gen4 x8	16	2 SlimSAS SFF-8654	-	-	Up to 12Gb/s per port	
MegaRAID 9560-16i (SAS/SATA mode)	Broadcom	SAS3916 Tri-Mode RAID-on-Chip (ROC)	PCIe Gen4 x8	16	2 SlimSAS SFF-8654	-	-	Up to 12Gb/s per port	
MegaRAID 9560-16i Tri-Mode (NVMe)	Broadcom	SAS3916 Tri-Mode RAID-on-Chip (ROC)	PCIe Gen4 x8	16	2 SlimSAS SFF-8654	-	-	Up to 12Gb/s per port	
MegaRAID 9560-8i (SAS/SATA mode)	Broadcom	SAS3908 Tri-Mode RAID-on-Chip (ROC)	PCIe Gen4 x8	8	1 SlimSAS SFF-8654	-	-	Up to 12Gb/s per port	
MegaRAID 9560-8i Tri-Mode (NVMe)	Broadcom	SAS3908 Tri-Mode RAID-on-Chip (ROC)	PCIe Gen4 x8	8	1 SlimSAS SFF-8654	-	-	Up to 12Gb/s per port	
MegaRAID 9660-16i (SAS/SATA mode)	Broadcom	SAS4116 (Avenger ROC)	PCIe Gen4 x8	16	2 SlimSAS SFF-8654	-	-	Up to 24Gb/s per port	
MegaRAID 9660-16i Tri-Mode (NVMe)	Broadcom	SAS4116 (Avenger ROC)	PCIe Gen4 x8	16	2 SlimSAS SFF-8654	-	-	Up to 24Gb/s per port	
MegaRAID 9670W-16i (SAS/SATA mode)	Broadcom	SAS4116W (Avenger ROC)	PCIe Gen4 x16	16	2 SlimSAS SFF-8654	-	-	Up to 24Gb/s per port	

GIGABYTE

Product Name	Vendor	Controller	Interface	Ports	Connector			Data Rate	Remark
CRA4760 (SAS/SATA mode)	GIGABYTE	LSI SAS 3908 (Up to 32 x physical devices)	PCIe Gen4 x8	8	1 SlimSAS SFF-8654	-	-	Up to 12Gb/s per port	
CRA4760 Tri-Mode (NVMe)	GIGABYTE	LSI SAS 3908 (Up to 32 x physical devices)	PCIe Gen4 x8	8	1 SlimSAS SFF-8654	-	-	Up to 12Gb/s per port	
CRA4761 (SAS/SATA mode)	GIGABYTE	LSI SAS 3908 (Up to 240 x physical devices)	PCIe Gen4 x8	8	1 SlimSAS SFF-8654	-	-	Up to 12Gb/s per port	
CRA4761 Tri-Mode (NVMe)	GIGABYTE	LSI SAS 3908 (Up to 240 x physical devices)	PCIe Gen4 x8	8	1 SlimSAS SFF-8654	-	-	Up to 12Gb/s per port	
CRA4960 (SAS/SATA mode)	GIGABYTE	LSI SAS 3916 (Up to 32 x physical devices)	PCIe Gen4 x8	16	2 SlimSAS SFF-8654	-	-	Up to 12Gb/s per port	
CRA4960 Tri-Mode (NVMe)	GIGABYTE	LSI SAS 3916 (Up to 32 x physical devices)	PCIe Gen4 x8	16	2 SlimSAS SFF-8654	-	-	Up to 12Gb/s per port	
CRA4961 (SAS/SATA mode)	GIGABYTE	LSI SAS 3916 (Up to 240 x physical devices)	PCIe Gen4 x8	16	2 SlimSAS SFF-8654	-	-	Up to 12Gb/s per port	
CRA4961 Tri-Mode (NVMe)	GIGABYTE	LSI SAS 3916 (Up to 240 x physical devices)	PCIe Gen4 x8	16	2 SlimSAS SFF-8654	-	-	Up to 12Gb/s per port	
CSA4710 (SAS/SATA mode)	GIGABYTE	LSI SAS 3808	PCIe Gen4 x8	8	1 SlimSAS SFF-8654	-	-	Up to 12Gb/s per port	
CSA4710 Tri-Mode (NVMe)	GIGABYTE	LSI SAS 3808	PCIe Gen4 x8	8	1 SlimSAS SFF-8654	-	-	Up to 12Gb/s per port	
CSA4820 (SAS/SATA mode)	GIGABYTE	LSI SAS 3816	PCIe Gen4 x8	16	2 SlimSAS SFF-8654	-	-	Up to 12Gb/s per port	
CSA4820 Tri-Mode (NVMe)	GIGABYTE	LSI SAS 3816	PCIe Gen4 x8	16	2 SlimSAS SFF-8654	-	-	Up to 12Gb/s per port	

LAN Card

Product Name	Vendor	Connector	Interface	Ports	Data Rate	Remark
			Broadcom			

Product Name	Vendor	Connector	Interface	Ports	Data Rate	Remark
BCM957416A4160C	Broadcom	RJ-45	PCIe Gen3 x8	Dual	10Gb/s per port	BCM57416 (P210TP)
LPe31002-M6	Broadcom	SFP+	PCIe Gen3 x8	Dual	16Gb/s per port	XE501 controller
BCM957414A4142CC	Broadcom	SFP28	PCIe Gen3 x8	Dual	25Gb/s per port	BCM57414 (P225P)
LPe32002-M2	Broadcom	SFP+	PCIe Gen3 x8	Dual	32Gb/s per port	XE501 controller
BCM957508-P2100G	Broadcom	QSFP56	PCIe Gen4 x16	Dual	100Gb/s per port	BCM57508
BCM957508-P1200G	Broadcom	QSFP56	PCIe Gen4 x16	Single	200Gb/s per port	BCM57508

GIGABYTE

Product Name	Vendor	Connector	Interface	Ports	Data Rate	Remark
CLN4A10	GIGABYTE	RJ-45	PCIe Gen3 x8	Dual	1Gb/s per port	Broadcom BCM5720L
CLN4B20	GIGABYTE	RJ-45	PCIe Gen3 x8	Dual	10Gb/s per port	Broadcom BCM57416
CLN4224	GIGABYTE	RJ-45	PCIe Gen3 x8	Quad	10Gb/s per port	INTEL X550-AT2
CLN4222	GIGABYTE	RJ-45	PCIe Gen3 x4	Dual	10Gb/s per port	INTEL X550-AT2
CLN4D40	GIGABYTE	SFP28	PCIe Gen3 x8	Dual	25Gb/s per port	Broadcom BCM57414

Intel

Product Name	Vendor	Connector	Interface	Ports	Data Rate	Remark
X722-DA4	Intel	SFP+	PCIe Gen3 x8	Quad	10Gb/s per port	
E810-XXVDA4	Intel	SFP28	PCIe Gen4 x16	Quad	25Gb/s per port	Controller E810-CAM1
XXV710-DA2	Intel	SFP28	PCIe Gen3 x8	Dual	25Gb/s per port	

E810-CQDA1	Intel	QSFP28	PCIe Gen4 x16	Single	100Gb/s per port	
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NVIDIA						
Don't write "Test Items" under this line!!!						
MCX4121A-ACAT	NVIDIA	SFP28	PCIe Gen3 x8	Dual	25Gb/s per port	Mellanox ConnectX-4 Lx EN
MCX631102AN-ADAT	NVIDIA	SFP28	PCIe Gen4 x8	Dual	25Gb/s per port	Mellanox ConnectX®-6 Lx without Crypto
MCX631102AS-ADAT	NVIDIA	SFP28	PCIe Gen4 x8	Dual	25Gb/s per port	Mellanox ConnectX-6 Lx EN with Secure Boot
MCX631102AC-ADAT	NVIDIA	SFP28	PCIe Gen4 x8	Dual	25Gb/s per port	Mellanox ConnectX-6 Lx EN with Crypto, with Secure
MCX713104AC-ADAT	NVIDIA	SFP56	PCIe Gen4 x16	Quad	50Gb/s per port	Mellanox ConnectX-7 with Crypto, with Secure Boot
MCX713104AS-ADAT	NVIDIA	SFP56	PCIe Gen4 x16	Quad	50Gb/s per port	Mellanox ConnectX-7 with Secure Boot
MCX623106AN-CDAT	NVIDIA	QSFP56	PCIe Gen4 x16	Dual	100Gb/s per port	Mellanox ConnectX®-6 Dx without Crypto, without Se
MCX623105AC-CDAT	NVIDIA	QSFP56	PCIe Gen4 x16	Single	100Gb/s per port	Mellanox ConnectX-6 Dx with Crypto, with Secure Boot
MCX623105AN-CDAT	NVIDIA	QSFP56	PCIe Gen4 x16	Single	100Gb/s per port	Mellanox ConnectX®-6 Dx without Crypto, without Se
MCX623106AC-CDAT	NVIDIA	QSFP56	PCIe Gen4 x16	Dual	100Gb/s per port	Mellanox ConnectX-6 Dx with Crypto, with Secure Bo
MCX623106AS-CDAT	NVIDIA	QSFP56	PCIe Gen4 x16	Dual	100Gb/s per port	Mellanox ConnectX-6 Dx with Secure Boot
MCX653106A-ECAT	NVIDIA	QSFP56	PCIe Gen4 x16	Dual	100Gb/s per port	Mellanox ConnectX-6 Ex VPI (InfiniBand)
MCX653105A-ECAT	NVIDIA	QSFP56	PCIe Gen4 x16	Single	100Gb/s per port	Mellanox ConnectX-6 Ex VPI (InfiniBand)
MCX515A-CCAT	NVIDIA	QSFP28	PCIe Gen3 x16	Single	100Gb/s per port	Mellanox ConnectX-5 EN
MCX516A-CCAT	NVIDIA	QSFP28	PCIe Gen3 x16	Dual	100Gb/s per port	Mellanox ConnectX-5 EN
MCX653105A-HDAT	NVIDIA	QSFP56	PCIe Gen4 x16	Single	200Gb/s per port	Mellanox ConnectX-6 Ex VPI (InfiniBand)
MCX755106AS-HEAT	NVIDIA	QSFP112	PCIe Gen5 x16	Dual	200Gb/s per port	Mellanox ConnectX-7 with Secure Boot
MCX683105AN-HDAT	NVIDIA	QSFP	PCIe Gen4 x16	Single	200Gb/s per port	Mellanox ConnectX-6 DE VPI (InfiniBand)
MCX653106A-HDAT	NVIDIA	QSFP56	PCIe Gen4 x16	Dual	200Gb/s per port	Mellanox ConnectX-6 Ex VPI (InfiniBand)
MCX755106AC-HEAT	NVIDIA	QSFP112	PCIe Gen5 x16	Dual	200Gb/s per port	Mellanox ConnectX-7 with Crypto, with Secure Boot
MCX75310AAC-NEAT	NVIDIA	OSFP	PCIe Gen5 x16	Single	400Gb/s per port	NVIDIA ConnectX-7 VPI (InfiniBand) with Crypto, wi
MCX75310AAS-NEAT	NVIDIA	OSFP	PCIe Gen5 x16	Single	400Gb/s per port	NVIDIA ConnectX-7 VPI (InfiniBand) with Secure Boo
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