

Qualification Vendor List											
AMD CPU											
Product Name	Code Name	Package	Stepping	L3 Cache	# of Cores / Threads	Processor of Base Frequency (GHz)	Processor Boost Max Frequency (GHz)	Default TDP	cTDP Min / cTDP Max	Memory Types	Note
TRX4											
AMD Ryzen™ Threadripper™ PRO 5955WX	Threadripper PRO	sWRX8		256MB	64 / 128	2.7GHz	4.5GHz		280W	3200MHz	
AMD Ryzen™ Threadripper™ PRO 5975WX	Threadripper PRO	sWRX8		128MB	32 / 64	3.6GHz	4.5GHz		280W	3200MHz	
AMD Ryzen™ Threadripper™ PRO 5965WX	Threadripper PRO	sWRX8		128MB	24 / 48	3.8GHz	4.5GHz		280W	3200MHz	
AMD Ryzen™ Threadripper™ PRO 5955WX	Threadripper PRO	sWRX8		64MB	16 / 32	4GHz	4.5GHz		280W	3200MHz	
AMD Ryzen™ Threadripper™ PRO 3945WX	ThreadRipper3	sWRX8		64MB	12 / 24	4GHz	4.2GHz		280W	3200MHz	
AMD Ryzen™ Threadripper™ PRO 3955WX	ThreadRipper3	sWRX8		64MB	16 / 32	3.9GHz	4.2GHz		280W	3200MHz	
AMD Ryzen™ Threadripper™ PRO 3975WX	ThreadRipper3	sWRX8		128MB	32 / 64	3.5GHz	4.2GHz		280W	3200MHz	
AMD Ryzen™ Threadripper™ PRO 3955WX	ThreadRipper3	sWRX8		256MB	64 / 128	2.7GHz	4.2GHz		280W	3200MHz	
Memory											
Product Name	Memory Type	Module Supplier	Size	Chip Brand	Rank	Voltage	Data Transfer Rate	Error Correction	CAS Latency	Pins	Note
UDIMM											
KVR26N19S8B	DDR4	Kingston	8GB		1Rx8	1.2v	PC4-21300(2666MHz)	NonECC	19	288-pin	
KVR26N19D8/16	DDR4	Kingston	16GB		2Rx8	1.2v	PC4-21300(2666MHz)	NonECC	19	288-pin	
AD4U2133W4G15-BHYM	DDR4	ADATA	4GB		1Rx8	1.2v	PC4-17000(2133MHz)	NonECC		288-pin	
AD4U2133W8G15-BHYM	DDR4	ADATA	8GB		2Rx8	1.2v	PC4-17000(2133MHz)	NonECC		288-pin	
75.893G2 6000B 4GB UNB	DDR4	Apacer	4GB		1Rx8	1.2v	PC4-17000(2133MHz)	NonECC		288-pin	
75.81G4M4 AF00B	DDR4	Apacer	4GB		1Rx8	1.2v	PC4-17000(2133MHz)	ECC	15	288-pin	
75.C1G4M3 AF10B 8GB UNB	DDR4	Apacer	8GB		2Rx8	1.2v	PC4-17000(2133MHz)	NonECC		288-pin	
CT4G4DFS8213 8FA1 4GB	DDR4	CRUCIAL	4GB		1Rx8	1.2v	PC4-17000(2133MHz)	NonECC		288-pin	
CT8G4DFD8213 16FA1 8GB	DDR4	CRUCIAL	8GB		2Rx8	1.2v	PC4-17000(2133MHz)	NonECC		288-pin	
M4C0-4GSSLCRG	DDR4	INNODISK	4GB		2Rx8	1.2v	PC4-17000(2133MHz)	ECC	15	288-pin	
M4C0-8GSSMCRG	DDR4	INNODISK	8GB		2Rx8	1.2v	PC4-17000(2133MHz)	ECC	15	288-pin	
KVR21N15S84	DDR4	Kingston	4GB		1Rx8	1.2v	PC4-17000(2133MHz)	NonECC		288-pin	
KVR21N15D8B	DDR4	Kingston	8GB		2Rx8	1.2v	PC4-17000(2133MHz)	NonECC		288-pin	
M391A1G43D80-CPB	DDR4	SAMSUNG	8GB		2Rx8	1.2v	PC4-17000(2133MHz)	ECC	15	288-pin	
M391A2K43B81-CPB	DDR4	SAMSUNG	16GB		2Rx8	1.2v	PC4-17000(2133MHz)	ECC	15	288-pin	
TS12MLH72V1H	DDR4	Transcend	4GB		1Rx8	1.2v	PC4-17000(2133MHz)	ECC	15	288-pin	
TS12MLH64V1H	DDR4	Transcend	4GB		1Rx8	1.2v	PC4-17000(2133MHz)	NonECC		288-pin	
TS1GLH64V1H	DDR4	Transcend	8GB		2Rx8	1.2v	PC4-17000(2133MHz)	NonECC		288-pin	
TS1GLH72V1H	DDR4	Transcend	8GB		2Rx8	1.2v	PC4-17000(2133MHz)	ECC	15	288-pin	
84G4G93M3 210MCGLF15T	DDR4	UMAX	4GB		1Rx8	1.2v	PC4-17000(2133MHz)	NonECC		288-pin	
84G4G93M3 210MCGNF15T	DDR4	UMAX	8GB		2Rx8	1.2v	PC4-17000(2133MHz)	NonECC		288-pin	
CT8G4WFD284A 18FB1	DDR4	CRUCIAL	8GB		2Rx8	1.2v	PC4-19200(2400MHz)	ECC	17	288-pin	
M4C0-AGS1MCSJ	DDR4	Innodisk	16GB		2Rx8	1.2v	PC4-19200(2400MHz)	ECC	17	288-pin	
KVR24N17S8B	DDR4	Kingston	8GB		2Rx8	1.2v	PC4-19200(2400MHz)	NonECC		288-pin	
KVR24N17D8/16	DDR4	Kingston	16GB		2Rx8	1.2v	PC4-19200(2400MHz)	NonECC		288-pin	
HMA81GU7AFR8N-UH T0 AA 1643	DDR4	SKhynix	8GB		1Rx8	1.2v	PC4-19200(2400MHz)	ECC	17	288-pin	
HMA81GU7AFR8N-UH	DDR4	SKhynix	8GB		1Rx8	1.2v	PC4-19200(2400MHz)	ECC	17	288-pin	
HMA82GU7AFR8N-UH	DDR4	SKhynix	16GB		2Rx8	1.2v	PC4-19200(2400MHz)	ECC	17	288-pin	
75.C1GSC 4050B	DDR4	Apacer	8GB		1Rx8	1.2v	PC4-21300(2666MHz)	ECC	19	288-pin	
75.D1GSC 4010B	DDR4	Apacer	16GB		2Rx8	1.2v	PC4-21300(2666MHz)	ECC	19	288-pin	
CT8G4DFS8266 8FB1	DDR4	CRUCIAL	8GB		1Rx8	1.2v	PC4-21300(2666MHz)	NonECC		288-pin	
CT16G4DFD8266 16FH1	DDR4	CRUCIAL	16GB		2Rx8	1.2v	PC4-21300(2666MHz)	NonECC		288-pin	
CT32G4DFD8266 16FB1	DDR4	CRUCIAL	32GB		2Rx8	1.2v	PC4-21300(2666MHz)	NonECC		288-pin	
KSM26ES8/8ME	DDR4	Kingston	8GB		1Rx8	1.2v	PC4-21300(2666MHz)	ECC	19	288-pin	
KVR26N19S8B	DDR4	Kingston	8GB		1Rx8	1.2v	PC4-21300(2666MHz)	NonECC		288-pin	
KSM26ES8/16ME	DDR4	Kingston	16GB		1Rx8	1.2v	PC4-21300(2666MHz)	ECC	19	288-pin	
KVR26N19D8/16	DDR4	Kingston	16GB		2Rx8	1.2v	PC4-21300(2666MHz)	NonECC		288-pin	
HMA81GU7CJRRN-VK T0 AC 1820	DDR4	SKhynix	8GB		1Rx8	1.2v	PC4-21300(2666MHz)	ECC	19	288-pin	
HMA82GU7CJRRN-VK T0 AC 1801	DDR4	SKhynix	16GB		2Rx8	1.2v	PC4-21300(2666MHz)	ECC	19	288-pin	
D32 27261S 001	DDR4	Apacer	8GB		1Rx8	1.2v	PC4-25600(3200MHz)	ECC		288-pin	
CT8G4DFS832A C8FJ	DDR4	CRUCIAL	8GB		1Rx8	1.2v	PC4-25600(3200MHz)	NonECC		288-pin	
CT16G4DFD832A M16FJ	DDR4	CRUCIAL	16GB		2Rx8	1.2v	PC4-25600(3200MHz)	NonECC		288-pin	
M4C0-8GS1LCEM-D33	DDR4	Innodisk	8GB		1Rx8	1.2v	PC4-25600(3200MHz)	ECC		288-pin	
M4C0-BGS2MCEM-D33	DDR4	Innodisk	32GB		2Rx8	1.2v	PC4-25600(3200MHz)	ECC		288-pin	
KSM32ES8/8ME	DDR4	Kingston	8GB		1Rx8	1.2v	PC4-25600(3200MHz)	ECC	22	288-pin	
KSM32E8A/16ME	DDR4	Kingston	16GB		2Rx8	1.2v	PC4-25600(3200MHz)	ECC	22	288-pin	
M378A4G43AB2-CWE	DDR4	SAMSUNG	32GB		2Rx8	1.2v	PC4-25600(3200MHz)	NonECC		288-pin	
HMA81GUDJRRN-XN	DDR4	SKhynix	8GB		1Rx8	1.2v	PC4-25600(3200MHz)	NonECC		288-pin	
HMA82GUDJRRN-XN	DDR4	SKhynix	16GB		2Rx8	1.2v	PC4-25600(3200MHz)	NonECC		288-pin	
RDIMM											
CT32G4RFD4293 36FE2	DDR4	CRUCIAL	32GB		2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin	
CT32G4RFD4293 2G9E2 001	DDR4	CRUCIAL	32GB		2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin	
MTA36ASF4G72PZ 2G9E2UG	DDR4	Micron	32GB		2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin	
MTA36ASF4G72PZ 2G9E2TG	DDR4	Micron	32GB		2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin	
MTA36ASF4G72PZ 2G9E2VG	DDR4	Micron	32GB		2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin	
HMAA8GR7MJR4N-WM T4	DDR4	SKhynix	64GB		2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin	
KSM29RD432HDR	DDR4	Kingston	32GB		1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
AD4R3200716G22-BHYA	DDR4	ADATA	16GB		1Rx8	1.2v	3200MHz	ECC Registered	22	288-pin	
CT16G4RFD832A-3G2E1.001	DDR4	Crucial	16GB		2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
KSM32RS8/16MER	DDR4	Kingston	16GB		1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
KSM32RS432MER	DDR4	Kingston	32GB		1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
MTA18ASF2G72PDZ-3G2R1U1	DDR4	Micron	16GB		2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
MTA9ASF2G72PZ-3G2E1T1	DDR4	Micron	16GB		1Rx8	1.2v	3200MHz	ECC Registered	22	288-pin	
MTA18ASF2G72PZ-3G2R1U1	DDR4	Micron	16GB		1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
MTA18ASF2G72PZ-3G2E1U1	DDR4	Micron	16GB		2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin	
MTA18ASF4G72PDZ-3G2B2T1	DDR4	Micron	32GB		2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin	
MTA18ASF4G72PDZ-3G2E1V1	DDR4	Micron	32GB		2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin	
MTA18ASF4G72PDZ-3G2E1U1	DDR4	Micron	32GB		2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin	
MTA36ASF4G72PZ-3G2R1U1	DDR4	Micron	32GB		2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
MTA18ASF4G72PDZ-3G2E1T1	DDR4	Micron	32GB		2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin	
MTA36ASF4G72PZ-3G2J3U1	DDR4	Micron	32GB		2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
MTA36ASF8G72PZ-3G2E1V1	DDR4	Micron	64GB		2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
M393A2K40EB3-CWEGQ	DDR4	Samsung	16GB		1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
M393A2K40DB3-CWECO	DDR4	Samsung	16GB		1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
M393A2K40DB3-CWEGQ	DDR4	Samsung	16GB		1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
M393A2K40DB3-CWEBQ	DDR4	Samsung	16GB		1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
M393A2K43DB3-CWEBQ	DDR4	Samsung	16GB		1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
M393A4K40EB3-CWEGQ	DDR4	Samsung	32GB		2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
M393A4K40EB3-CWEBY	DDR4	Samsung	32GB		2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
M393A4K40DB3-CWEGQ	DDR4	Samsung	32GB		2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
M393A4K40EB3-CWECO	DDR4	Samsung	32GB		2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
M393A4G40B3-CWEGQ	DDR4	Samsung	32GB		1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
M393A4K40DB3-CWEBQ	DDR4	Samsung	32GB		1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
M393A4G40B3-CWECO	DDR4	Samsung	32GB		1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
M393A8G40B4-CWEBY	DDR4	Samsung	64GB		2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
M393A4G40M32-CAEBO	DDR4	Samsung	128GB		2SRx4	1.2v	3200MHz	ECC Registered	22	288-pin	
HMAA82GR7DJR8N-XN T8	DDR4	SKhynix	16GB		2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin	
HMAA82GR7DJR8N-XN TG	DDR4	SKhynix	16GB		2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin	
HMAA84GR7DJR4N-XN T4	DDR4	SKhynix	32GB		2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
HMAA8GR7CJRRN-XN T8	DDR4	SKhynix	64GB		2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
HMAA8GR7CJRRN-XN TG	DDR4	SKhynix	64GB		2Rx4	1.2v	3200MHz	ECC Registered	22		

ST1000NM0016	SATA	Seagate	3.5"	512e	10TB	6Gb/s	Exos X10 (Enterprise Capacity V.6)	256MB	7200	N/A	
ST1000NM017B	SATA	Seagate	3.5"	512e	10TB	6Gb/s	EXOS 7E10	256MB	7200	N/A	
ST14000NM0018	SATA	Seagate	3.5"	512e	14TB	6Gb/s	Exos X14 (Enterprise Capacity)	256MB	7200	N/A	
WUS721010ALE6L4	SATA	WD	3.5"	512e	10TB	6Gb/s	Ultrastar® DC HC330	256MB	7200	N/A	
WUH721818ALE6L4	SATA	WD	3.5"	512e	18TB	6Gb/s	Ultrastar DC HC550	512MB	7200	N/A	
SATA/SAS SSD											
Product Name	Type	Vendor	Form Factor	Interface	Capacity	Interface Speed	Note				
SATA											
SSDSC2K019T8 D3-S4510 Series	SSD	Intel	2.5"	SATA	1.92TB	6Gb/s					
SSDSC2K019T8 D3-S4610 Series	SSD	Intel	2.5"	SATA	1.92TB	6Gb/s					
MTFDDAK1T9TDS-1AW1ZABYY (5300 PRO)	SSD	Micron	2.5"	SATA	1.92TB	6Gb/s					
MTFDDAK1T9TDS-1AT1ZABYY (5200 MAX)	SSD	Micron	2.5"	SATA	1.92TB	6Gb/s					
MTFDDAK3T9TDS-1AW1ZABYY (5300 PRO)	SSD	Micron	2.5"	SATA	3.84TB	6Gb/s					
SRE100-480G00210000	SSD	Phison	2.5"	SATA	480GB	6Gb/s					
SRE100-960G00210000	SSD	Phison	2.5"	SATA	960GB	6Gb/s					
MZ-7LH1T9NE 883 DCT Series	SSD	Samsung	2.5"	SATA	1.92TB	6Gb/s					
XA480LE10063	SSD	Seagate	2.5"	SATA	480GB	6Gb/s					
XA960LE10063	SSD	Seagate	2.5"	SATA	960GB	6Gb/s					
MZ7L39600 PM893	SSD	Samsung	2.5"	SATA	960GB	6Gb/s					
M.2											
Product Name	Type	Vendor	Form Factor	Interface	Capacity	Interface Speed	Note				
M.2											
SSDPEKKA0107T01 P3100 Series 1TB	M.2	Intel	2280	PCIe(NVMe)	1TB	PCIe Gen3 x4					
SSDPEKKA256G801 P4101 Series 256GB	M.2	Intel	2280	PCIe(NVMe)	256GB	PCIe Gen3 x4					
SSDPEKKA256G701 P3100 Series 256GB	M.2	Intel	2280	PCIe(NVMe)	256GB	PCIe Gen3 x4					
MZVPV512HDGL	M.2	Samsung	2280	PCIe(NVMe)	512GB	PCIe Gen3 x4					
CA6-8D1024 CA6 Series	M.2	SSSTC	2280	PCIe(NVMe)	1TB	PCIe Gen4 x4					
PM9A1	M.2	Samsung	2280	PCIe(NVMe)	512GB	PCIe Gen4 x4					
PCIe SSD											
Product Name	Type	Vendor	Form Factor	Interface	Capacity	Interface Speed	Note				
PCIe											
Samsung PM1725b MZPLL3T2HAJQ PCIe Gen3 x8 3.2TB	PCIe	Samsung	PCI-E 3.0	PCIe(NVMe)	3.2TB	Gen3 x8					
SSDPEDKX0407T01 P4500 Series PCIe Gen3 x4 4TB	PCIe	Intel	PCI-E 3.0	PCIe(NVMe)	4TB	Gen3 x4					
LAN Card											
Product Name	Connector	Vendor	System InterfaceType	# of Ports	Data Rate	Note					
Broadcom											
BCM957412A4120AC	SFP+	Broadcom	PCIe Gen3 x8	Dual	10Gb/s per port	BCM57412					
BCM957414A4142CC	SFP28	Broadcom	PCIe Gen3 x8	Dual	25Gb/s per port	BCM57414					
BCM957416A41660C	RJ-45	Broadcom	PCIe Gen3 x8	Dual	10Gb/s per port	BCM5741 (P210TP)					
GIGABYTE											
CLN4121	RJ-45	GIGABYTE	PCIe Gen3 x4	Single	10Gb/s per port	INTEL X550-AT					
CLN4222	RJ-45	GIGABYTE	PCIe Gen3 x4	Dual	10Gb/s per port	INTEL X550-AT2					
CLN4224	RJ-45	GIGABYTE	PCIe Gen3 x4	Quad	10Gb/s per port	INTEL X550-AT2 (Condition)					
CLN4312	RJ-45	GIGABYTE	PCIe Gen2 x4	Dual	1Gb/s per port	INTEL I350-AM2					
CLN4314	RJ-45	GIGABYTE	PCIe Gen2 x4	Quad	1Gb/s per port	INTEL I350-AM4 (Condition)					
CLN4751	QSFP+	GIGABYTE	PCIe Gen3 x8	Single	40Gb/s per port	INTEL XL710					
CLN4752	QSFP+	GIGABYTE	PCIe Gen3 x8	Dual	40Gb/s per port	INTEL XL710					
CLN4831	SFP+	GIGABYTE	PCIe Gen2 x8	Single	10Gb/s per port	INTEL 82599EN					
CLN4832	SFP+	GIGABYTE	PCIe Gen2 x8	Dual	10Gb/s per port	INTEL 82599ES					
CLN4C42	SFP28	GIGABYTE	PCIe Gen3 x16	Dual	25Gb/s per port	Mellanox ConnectX-4 (Condition)					
CLN4C44	SFP28	GIGABYTE	PCIe Gen3 x16	Quad	25Gb/s per port	Mellanox ConnectX-4 (Condition)					
CLN4M32	SFP28	GIGABYTE	PCIe Gen3 x16	Dual	10Gb/s per port	Mellanox ConnectX-4 (Condition)					
CLN4M34	SFP28	GIGABYTE	PCIe Gen3 x16	Quad	10Gb/s per port	Mellanox ConnectX-4					
Intel											
Intel® Ethernet Converged Network Adapter X520-DA2	SFP+	Intel	PCIe Gen2 x8	Dual	10Gb/s per port	This card should be tested in DVT stage when onbox					
Intel® Ethernet Converged Network Adapter X550-T2	RJ-45	Intel	PCIe Gen3 x4	Dual	10Gb/s per port						
Intel® Ethernet Converged Network Adapter X710-DA4	SFP+	Intel	PCIe Gen3 x8	Quad	10Gb/s per port						
Intel® Ethernet Converged Network Adapter X710-T4	RJ-45	Intel	PCIe Gen3 x8	Quad	10Gb/s per port						
Intel® Ethernet Converged Network Adapter XL710-QD	QSFP+	Intel	PCIe Gen3 x8	Dual	40Gb/s per port						
Intel® Ethernet Network Adapter E810-CODA1	QSFP28	Intel	PCIe Gen4 x16	Single	100Gb/s per port						
Intel® Ethernet Network Adapter E810-XXVDA4	SFP28	Intel	PCIe Gen4 x16	Quad	25Gb/s per port						
Intel® Ethernet Network Adapter X722-DA4	SFP+	Intel	PCIe Gen3 x8	Quad	10Gb/s per port						
Intel® Ethernet Network Adapter XXV710-DA2	SFP28	Intel	PCIe Gen3 x8	Dual	25Gb/s per port						
Mellanox											
MCX4121A-ACAT	SFP28	Mellanox	PCIe Gen3 x8	Dual	25Gb/s per port	Mellanox ConnectX-4 Lx EN					
MCX455A-ECAT	QSFP28	Mellanox	PCIe Gen3 x16	Single	100Gb/s per port	Mellanox ConnectX-4 VPI (InfiniBand)					
MCX456A-ECAT	QSFP28	Mellanox	PCIe Gen3 x16	Dual	100Gb/s per port	Mellanox ConnectX-4 VPI (InfiniBand)					
MCX512A-ACAT	SFP28	Mellanox	PCIe Gen3 x8	Dual	25Gb/s per port	Mellanox ConnectX-5 EN					
MCX515A-CCAT	QSFP28	Mellanox	PCIe Gen3 x16	Single	100Gb/s per port	Mellanox ConnectX-5 EN					
MCX516A-BDAT	QSFP28	Mellanox	PCIe Gen4 x16	Dual	40Gb/s per port	Mellanox ConnectX-5 Ex EN					
MCX516A-CCAT	QSFP28	Mellanox	PCIe Gen3 x16	Dual	100Gb/s per port	Mellanox ConnectX-5 EN					
MCX516A-CDAT	QSFP28	Mellanox	PCIe Gen4 x16	Dual	100Gb/s per port	Mellanox ConnectX-5 Ex EN					
MCX516A-GCAT	QSFP28	Mellanox	PCIe Gen3 x16	Dual	50Gb/s per port	Mellanox ConnectX-5 EN					
MCX555A-ECAT	QSFP28	Mellanox	PCIe Gen3 x16	Single	100Gb/s per port	Mellanox ConnectX-5 VPI (InfiniBand)					
MCX556A-ECAT	QSFP28	Mellanox	PCIe Gen3 x16	Dual	100Gb/s per port	Mellanox ConnectX-5 VPI (InfiniBand)					
MCX556A-EDAT	QSFP28	Mellanox	PCIe Gen4 x16	Dual	100Gb/s per port	Mellanox ConnectX-5 Ex VPI (InfiniBand)					
MCX613106A-VDAT	QSFP56	Mellanox	PCIe Gen4 x16	Dual	200Gb/s per port	Mellanox ConnectX-6 EN					
MCX623105AN-CDAT	QSFP56	Mellanox	PCIe Gen4 x16	Single	100Gb/s per port	ConnectX®-6 Dx No Crypto, No Secure Boot					
MCX623106AN-CDAT	QSFP56	Mellanox	PCIe Gen4 x16	Dual	100Gb/s per port	ConnectX®-6 Dx No Crypto, No Secure Boot					
MCX631102AN-ADAT	SFP28	Mellanox	PCIe Gen4 x8	Dual	25Gb/s per port	ConnectX®-6 Dx without Crypto					
MCX653105A-ECAT	QSFP56	Mellanox	PCIe Gen4 x16	Single	100Gb/s per port	Mellanox ConnectX-6 Ex VPI (InfiniBand)					
MCX653105A-HDAT	QSFP56	Mellanox	PCIe Gen4 x16	Single	200Gb/s per port	Mellanox ConnectX-6 Ex VPI (InfiniBand)					
MCX653106A-HDAT	QSFP56	Mellanox	PCIe Gen4 x16	Dual	200Gb/s per port	Mellanox ConnectX-6 Ex VPI (InfiniBand)					
Qlogic											
QL41212HLCU-SP	SFP28	Qlogic	PCIe Gen3 x8	Dual	25Gb/s per port						
QL45611HLCU	QSFP28	Qlogic	PCIe Gen3 x16	Single	100Gb/s per port						
QLE3442-CU-CK	SFP+	Qlogic	PCIe Gen3 x8	Dual	10Gb/s per port						
QLE3442-RJ-CK	RJ-45	Qlogic	PCIe Gen3 x8	Dual	10Gb/s per port						
RAID Card											
Product Name	Vendor	RAID-on-Chip Controller	Host Bus Type	Internal Ports	Internal Connectors	External Ports	External Connectors	Data Transfer Rates	Note		
GIGABYTE Storage Cards											
CRA4448	GIGABYTE	LSI SAS 3108	PCIe Gen3 x8	8	2 x Mini-SAS HD SFF-8643	-	-	Up to 12Gb/s per port			
Broadcom RAID Controller Cards											
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 9560-8i (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			
Broadcom Host Bus Adapters (HBAs)											
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			
HBA 9500-8i Tri-Mode Storage Adapter (SAS/SATA mode)	Broadcom	SAS3808	PCIe Gen4 x8	8	1 SlimSAS SFF-8654	-	-	Up to 12Gb/s per port			
Graphics Card											
Product Name	Processor Cores	Memory Bandwidth (GB/sec)	VRAM	OpenGL	Microsoft DirectX	Graphics Card Power (W)	NVIDIA SLI / AMD CrossFire Ready	Note			
NVIDIA Quadro (http://www.nvidia.com/object/quadro-desktop-gpus.html)											
RTX A6000 (Ampere)	10752	768 GB/s	48GB	4.68	12.07	300 W					
RTX A5000 (Ampere)	8192	768 GB/s	24GB	4.6	12	230 W					
RTX A4500 (Ampere)	7168	640 GB/s	20GB	4.6	12	200 W					
AMD Radeon											
PRO W6900		224 GB/s	8GB	4.6	12	130 W					
PRO W6400		128 GB/s	4GB	4.6	12	50 W					
Don't write "Test Items" under this line!!!											