

R183-S91-AAD2 R183-S91-AAV2 Please contact FAE support for below orange blocks										
Qualification Vender List										
Intel CPU										
Product Name	Vendor	Code Name	Q-Spec	Stepping	Cache	# of Cores	Processor Base Frequency	Max Turbo Frequency	TDP(W)	Memory Types
Sapphire Rapids - Intel Next Generation Xeon Scalable Family										
Intel® Xeon® Processor Platinum 8490H	Intel	Sapphire Rapids	Q23U	E-5	112.5MB	60	1.9 GHz	3.5 GHz	350	DDR5-4800
Intel® Xeon® Processor Platinum 8480+	Intel	Sapphire Rapids	Q23T	E-5	105.0MB	56	2.0 GHz	3.8 GHz	350	DDR5-4800
Intel® Xeon® Processor Platinum 8470	Intel	Sapphire Rapids	Q236	E-5	105.0MB	52	2.0 GHz	3.8 GHz	350	DDR5-4800
Intel® Xeon® Processor Platinum 8468V	Intel	Sapphire Rapids	Q23D	E-5	97.5MB	48	2.4 GHz	3.8 GHz	330	DDR5-4800
Intel® Xeon® Processor Platinum 8468H	Intel	Sapphire Rapids	Q242	E-5	105.0MB	48	2.1 GHz	3.8 GHz	330	DDR5-4800
Intel® Xeon® Processor Platinum 8468	Intel	Sapphire Rapids	Q237	E-5	105.0MB	48	2.1 GHz	3.8 GHz	350	DDR5-4800
Intel® Xeon® Processor Platinum 8462Y+	Intel	Sapphire Rapids	Q27N	S-3	60.0MB	32	2.8 GHz	4.1 GHz	300	DDR5-4800
Intel® Xeon® Processor Platinum 8460Y+	Intel	Sapphire Rapids	Q238	E-5	105.0MB	40	2.0 GHz	3.7 GHz	300	DDR5-4800
Intel® Xeon® Processor Platinum 8460H	Intel	Sapphire Rapids	Q23V	E-5	105.0MB	40	2.2 GHz	3.8 GHz	330	DDR5-4800
Intel® Xeon® Processor Platinum 8458P	Intel	Sapphire Rapids	Q23F	E-5	82.5MB	44	2.7 GHz	3.8 GHz	350	DDR5-4800
Intel® Xeon® Processor Platinum 8454H	Intel	Sapphire Rapids	Q23R	E-5	82.5MB	32	2.1 GHz	3.4 GHz	270	DDR5-4800
Intel® Xeon® Processor Platinum 8452Y	Intel	Sapphire Rapids	Q246	E-5	67.5MB	36	2.0 GHz	3.2 GHz	300	DDR5-4800
Intel® Xeon® Processor Platinum 8450H	Intel	Sapphire Rapids	Q244	E-5	75.0MB	28	2.0 GHz	3.5 GHz	250	DDR5-4800
Intel® Xeon® Processor Platinum 8444H	Intel	Sapphire Rapids	Q23W	E-5	45.0MB	16	2.9 GHz	4.0 GHz	270	DDR5-4800
Intel® Xeon® Processor Gold 6454S	Intel	Sapphire Rapids	Q23C	E-5	60.0MB	32	2.2 GHz	3.4 GHz	270	DDR5-4800
Intel® Xeon® Processor Gold 6448Y	Intel	Sapphire Rapids	Q27M	S-3	60.0MB	32	2.1 GHz	4.1 GHz	225	DDR5-4800
Intel® Xeon® Processor Gold 6448H	Intel	Sapphire Rapids	Q27S	S-3	60.0MB	32	2.4 GHz	4.1 GHz	250	DDR5-4800
Intel® Xeon® Processor Gold 6444Y	Intel	Sapphire Rapids	Q27T	S-3	45.0MB	16	3.6 GHz	4.1 GHz	270	DDR5-4800
Intel® Xeon® Processor Gold 6442Y	Intel	Sapphire Rapids	Q27J	S-3	60.0MB	24	2.6 GHz	4.0 GHz	225	DDR5-4800
Intel® Xeon® Processor Gold 6438Y+	Intel	Sapphire Rapids	Q27L	S-3	60.0MB	32	2.0 GHz	4.0 GHz	205	DDR5-4800
Intel® Xeon® Processor Gold 6438N	Intel	Sapphire Rapids	Q280	S-3	60.0MB	32	2.0 GHz	3.6 GHz	205	DDR5-4800
Intel® Xeon® Processor Gold 6438M	Intel	Sapphire Rapids	Q282	S-3	60.0MB	32	2.2 GHz	3.9 GHz	205	DDR5-4800
Intel® Xeon® Processor Gold 6434H	Intel	Sapphire Rapids	Q27P	S-3	22.5MB	8	3.7 GHz	4.1 GHz	195	DDR5-4800
Intel® Xeon® Processor Gold 6434	Intel	Sapphire Rapids	Q273	S-3	22.5MB	8	3.7 GHz	4.1 GHz	195	DDR5-4800
Intel® Xeon® Processor Gold 6430	Intel	Sapphire Rapids	Q23B	E-5	60.0MB	32	2.1 GHz	3.4 GHz	270	DDR5-4400
Intel® Xeon® Processor Gold 6428N	Intel	Sapphire Rapids	Q27Y	S-3	60.0MB	32	1.8 GHz	3.8 GHz	185	DDR5-4800
Intel® Xeon® Processor Gold 6426Y	Intel	Sapphire Rapids	Q27E	S-3	37.5MB	16	2.5 GHz	4.1 GHz	185	DDR5-4800
Intel® Xeon® Processor Gold 6418H	Intel	Sapphire Rapids	Q27R	S-3	60.0MB	24	2.1 GHz	4.0 GHz	185	DDR5-4800
Intel® Xeon® Processor Gold 6416H	Intel	Sapphire Rapids	Q27Q	S-3	45.0MB	18	2.2 GHz	4.2 GHz	165	DDR5-4800
Intel® Xeon® Processor Gold 5420+	Intel	Sapphire Rapids	Q27K	S-3	52.5MB	28	2.0 GHz	4.1 GHz	205	DDR5-4400

Intel® Xeon® Processor Gold 5418Y	Intel	Sapphire Rapids	Q27G	S-3	45.0MB	24	2.0 GHz	3.8 GHz	185	DDR5-4400
Intel® Xeon® Processor Gold 5418N	Intel	Sapphire Rapids	Q27W	S-3	45.0MB	24	1.8 GHz	3.8 GHz	165	DDR5-4000
Intel® Xeon® Processor Gold 5416S	Intel	Sapphire Rapids	Q281	S-3	30.0MB	16	2.0 GHz	4.0 GHz	150	DDR5-4400
Intel® Xeon® Processor Gold 5415+	Intel	Sapphire Rapids	Q27C	S-3	22.5MB	8	2.9 GHz	4.1 GHz	150	DDR5-4400
Intel® Xeon® Processor Silver 4416+	Intel	Sapphire Rapids	Q27F	S-3	37.5MB	20	2.0 GHz	3.9 GHz	165	DDR5-4000
Intel® Xeon® Processor Silver 4410Y	Intel	Sapphire Rapids	Q27D	S-3	30.0MB	12	2.0 GHz	3.9 GHz	150	DDR5-4000
Intel® Xeon® Processor Silver 4410T	Intel	Sapphire Rapids	Q27V	S-3	26.3MB	10	2.7 GHz	4.0 GHz	150	DDR5-4000
<b>Memory (Memory actually maximum frequency will follow memory controller's spec of CPU you used)</b>										
Product Name	Vendor	Memory Type	Size	Chip Brand	Rank	Voltage	Data Transfer Rate	Error Correction	Pins	Note
DDR5 RDIMM										
M321R2GA3BB0-CQKVG	Samsung	DDR5	16GB	Samsung-Rambus	1Rx8	1.1v	4800MHz	ECC Registered	288-pin	
M321R2GA3BB6-CQKVS	Samsung	DDR5	16GB	Samsung-Rambus	1Rx8	1.1v	4800MHz	ECC Registered	288-pin	
M321R4GA0BB0-CQKVG	Samsung	DDR5	32GB	Samsung-Montage	1Rx4	1.1v	4800MHz	ECC Registered	288-pin	
M321R4GA0BB0-CQKMG	Samsung	DDR5	32GB	Samsung-Montage	1Rx4	1.1v	4800MHz	ECC Registered	288-pin	
M321R8GA0BB0-CQKVG	Samsung	DDR5	64GB	Samsung-Rambus	2Rx4	1.1v	4800MHz	ECC Registered	288-pin	
M321R8GA0BB0-CQKEG	Samsung	DDR5	64GB	Samsung-IDT	2Rx4	1.1v	4800MHz	ECC Registered	288-pin	
M321R8GA0BB0-CQKVS	Samsung	DDR5	64GB	Samsung-Rambus	2Rx4	1.1v	4800MHz	ECC Registered	288-pin	
M321R8GA0BB0-CQKDG	Samsung	DDR5	64GB	Samsung-IDT	2Rx4	1.1v	4800MHz	ECC Registered	288-pin	
M321RAGA0B20-CWKBH	Samsung	DDR5	128GB	Samsung-IDT	2S2Rx4	1.1v	4800MHz	ECC Registered	288-pin	
MTC10F1084S1RC48BA1 HCCG	Micron	DDR5	16GB	Micron-IDT	1Rx8	1.1v	4800MHz	ECC Registered	288-pin	
MTC10F1084S1RC48BA1 NGCC	Micron	DDR5	16GB	Micron-IDT	1Rx8	1.1v	4800MHz	ECC Registered	288-pin	
MTC10F1084S1RC48BA1 NHFF	Micron	DDR5	16GB	Micron-Rambus	1Rx8	1.1v	4800MHz	ECC Registered	288-pin	
MTC20F2085S1RC48BA1 HCCG	Micron	DDR5	32GB	Micron-IDT	2Rx8	1.1v	4800MHz	ECC Registered	288-pin	
MTC20F2085S1RC48BA1 HCCH	Micron	DDR5	32GB	Micron-Rambus	2Rx8	1.1v	4800MHz	ECC Registered	288-pin	
MTC20F2085S1RC48BA1 NGCC	Micron	DDR5	32GB	Micron-IDT	2Rx8	1.1v	4800MHz	ECC Registered	288-pin	
MTC20F1045S1RC48BA2 HCCH	Micron	DDR5	32GB	Micron-Rambus	1Rx4	1.1v	4800MHz	ECC Registered	288-pin	
MTC20F1045S1RC48BA2 HCCG	Micron	DDR5	32GB	Micron-IDT	1Rx4	1.1v	4800MHz	ECC Registered	288-pin	
MTC20F1045S1RC48BA2 NGCC	Micron	DDR5	32GB	Micron-IDT	1Rx4	1.1v	4800MHz	ECC Registered	288-pin	
MTC18F1045S1PC48BA2 NGCC	Micron	DDR5	32GB	Micron-IDT	1Rx4	1.1v	4800MHz	ECC Registered	288-pin	
MTC40F2046S1RC48BA1 GCOG	Micron	DDR5	64GB	Micron-IDT	2Rx4	1.1v	4800MHz	ECC Registered	288-pin	
MTC40F2046S1RC48BA1 FCCI	Micron	DDR5	64GB	Micron-Montage	2Rx4	1.1v	4800MHz	ECC Registered	288-pin	
MTC40F2046S1RC48BA1 FICC	Micron	DDR5	64GB	Micron-Montage	2Rx4	1.1v	4800MHz	ECC Registered	288-pin	
MTC36F2046S1PC48BA1 MHCC	Micron	DDR5	64GB	Micron-Rambus	2Rx4	1.1v	4800MHz	ECC Registered	288-pin	
HMCG88MEBRA113N AA	SKhynix	DDR5	32GB	SKhynix-IDT	2Rx8	1.1v	4800MHz	ECC Registered	288-pin	

HMCG94MEBRA109N AA	SKhynix	DDR5	64GB	SKhynix-Montage	2Rx4	1.1v	4800MHz	ECC Registered	288-pin	
HMCG78AEBRA107N AA	SKhynix	DDR5	16GB	SKhynix-Montage	1Rx8	1.1v	4800MHz	ECC Registered	288-pin	
HMCG78AEBRA168N AA	SKhynix	DDR5	16GB	SKhynix-IDT	1Rx8	1.1v	4800MHz	ECC Registered	288-pin	
HMCG78AEBRA115N AA	SKhynix	DDR5	16GB	SKhynix-IDT	1Rx8	1.1v	4800MHz	ECC Registered	288-pin	
HMCG88AEBRA107N AA	SKhynix	DDR5	32GB	SKhynix-Montage	2Rx8	1.1v	4800MHz	ECC Registered	288-pin	
HMCG88AEBRA115N AA	SKhynix	DDR5	32GB	SKhynix-IDT	2Rx8	1.1v	4800MHz	ECC Registered	288-pin	
HMCG84AEBRA168N AA	SKhynix	DDR5	32GB	SKhynix-IDT	1Rx4	1.1v	4800MHz	ECC Registered	288-pin	
HMCG84AEBRA115N AA	SKhynix	DDR5	32GB	SKhynix-IDT	1Rx4	1.1v	4800MHz	ECC Registered	288-pin	
HMCG84AEBRA107N AA	SKhynix	DDR5	32GB	SKhynix-Montage	1Rx4	1.1v	4800MHz	ECC Registered	288-pin	
HMCG94AEBRA109N AA	SKhynix	DDR5	64GB	SKhynix-Montage	2Rx4	1.1v	4800MHz	ECC Registered	288-pin	
HMCG94AEBRA123N AA	SKhynix	DDR5	64GB	SKhynix-IDT	2Rx4	1.1v	4800MHz	ECC Registered	288-pin	
AO4V48UCSV1-BHRS	ADATA	DDR5	16GB	Samsung-Montage	1Rx8	1.1v	4800MHz	ECC Registered	288-pin	
AO4V48UCTV2-BHSS	ADATA	DDR5	32GB	Samsung-Montage	2Rx8	1.1v	4800MHz	ECC Registered	288-pin	
KSM48R40BS8KMM-16HMR	Kingston	DDR5	16GB	SKhynix-Rambus	1Rx8	1.1v	4800MHz	ECC Registered	288-pin	
KSM48R40BS4TMM-32HMR	Kingston	DDR5	32GB	SKhynix-Rambus	1Rx4	1.1v	4800MHz	ECC Registered	288-pin	
Intel Optane™ Persistent Memory 300 Series (Crow PASS) <b>Due to thermal limitaiton, please mark as orange color if test pass</b>										
NMC2XBD128GQSE4 QWC7	Intel	DDR-T2	128GB				4400MHz for Sapphire Rapids CPU		288-pin	
<b>HDD (If the system build-in with RAID card ,please refer to RAID card QVL list)</b>										
Product Name	Vendor	Type	Form Factor	Format	Capacity	Interface Speed	Series	Cache	RPM	Encryption
Seagate Enterprise Capacity 2.5 HDD										
ST2000NX0253	Seagate	SATA	2.5"	512e	2TB	6Gb/s	Exos 7E2000	128MB	7200	N/A
ST2000NX0243	Seagate	SATA	2.5"	4Kn	2TB	6Gb/s	Exos 7E2000	128MB	7200	N/A
ST1000NX0313	Seagate	SATA	2.5"	512e	1TB	6Gb/s	Exos 7E2000	128MB	7200	N/A
Seagate Enterprise Capacity 3.5 HDD										
ST10000NM0016	Seagate	SATA	3.5"	512e	10TB	6Gb/s	Exos X10	256MB	7200	N/A
ST14000NM0018	Seagate	SATA	3.5"	512e/4kn	14TB	6Gb/s	Exos X14	256MB	7200	N/A
ST16000NM001G	Seagate	SATA	3.5"	512e/4Kn	16TB	6Gb/s	Exos X16	256MB	7200	N/A
ST18000NM000J	Seagate	SATA	3.5"	512e/4Kn	18TB	6Gb/s	Exos X18	256MB	7200	N/A
ST20000NM007D	Seagate	SATA	3.5"	512e/4Kn	20TB	6Gb/s	Exos X20	256MB	7200	N/A
ST22000NM001E	Seagate	SATA	3.5"	512e	22TB	6Gb/s	Exos X22	512MB	7200	N/A
WD Enterprise Hard Drives										
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

WUH722222ALE6L4	WD	SATA	3.5"	512e	22TB	6Gb/s	Ultrastar DC HC570	512MB	7200	N/A
Toshiba Enterprise Hard Drives										
MG08ADA800E	Toshiba	SATA	3.5"	512e	8TB	6Gb/s	MG08-D	256MB	7200	N/A
MG09ACA18TE	Toshiba	SATA	3.5"	512e	18TB	6Gb/s	MG09	512MB	7200	N/A
SATA/SAS SSD										
Product Name	Vendor	Type	Form Factor	Interface	Capacity	Interface Speed	Note			
SATA SSD										
SSDSC2KB240GZ	Solidigm	SSD	2.5"	SATA	240GB	6Gb/s	D3-S4520 Series			
SSDSC2KB480GZ	Solidigm	SSD	2.5"	SATA	480GB	6Gb/s	D3-S4520 Series			
SSDSC2KB019TZ	Solidigm	SSD	2.5"	SATA	1.92TB	6Gb/s	D3-S4520 Series			
SSDSC2KG480GZ01	Solidigm	SSD	2.5"	SATA	480GB	6Gb/s	D3-S4620 Series			
SSDSC2KG960GZ01	Solidigm	SSD	2.5"	SATA	960GB	6Gb/s	D3-S4620 Series			
SSDSC2KG019TZ	Solidigm	SSD	2.5"	SATA	1.92TB	6Gb/s	D3-S4620 Series			
SSDSC2KG038TZ	Solidigm	SSD	2.5"	SATA	3.84TB	6Gb/s	D3-S4620 Series			
MTFDDAK3T8TDS-1AW1ZABYY	Micron	SSD	2.5"	SATA	3.84TB	6Gb/s	5300 PRO Series			
MTFDDAK1T9TDS-1AW1ZABYY	Micron	SSD	2.5"	SATA	1.92TB	6Gb/s	5300 PRO Series			
MTFDDAK1T9TGB-1BC1ZABYY	Micron	SSD	2.5"	SATA	1.92TB	6Gb/s	5400 MAX Series			
MTFDDAK1T9TGA-1BC1ZABYY	Micron	SSD	2.5"	SATA	1.92TB	6Gb/s	5400 PRO Series			
MZ7L3480HCHQ-00A07	Samsung	SSD	2.5"	SATA	480GB	6Gb/s	PM893 Series			
MZ7L33T8HBLT-00A07	Samsung	SSD	2.5"	SATA	3.84TB	6Gb/s	PM893 Series			
MZ7L31T9HBNA-00A07	Samsung	SSD	2.5"	SATA	1.92TB	6Gb/s	PM897 Series			
SSB480GTLWCW-D2-SME1720GBT	Phison	SSD	2.5"	SATA	480GB	6Gb/s	ESM1720 Series			
SSB960GTLWCW-D2-SME1720GBT	Phison	SSD	2.5"	SATA	960GB	6Gb/s	ESM1720 Series			
SSB1K9GTLWCW-D2-SME1720GBT	Phison	SSD	2.5"	SATA	1.92TB	6Gb/s	ESM1720 Series			
SSB240GTLWCW-D2-ESW1710GBT	Phison	SSD	2.5"	SATA	240GB	6Gb/s	ESW1710 Series			
SSB480GTLWCW-D2-ESW1710GBT	Phison	SSD	2.5"	SATA	480GB	6Gb/s	ESW1710 Series			
SSB960GTLWCW-D2-ESW1710GBT	Phison	SSD	2.5"	SATA	960GB	6Gb/s	ESW1710 Series			
PCIe SSD										
Product Name	Vendor	Type	Form Factor	Interface	Capacity	Interface Speed	Note			
PCIe SSD										
SSDPEDKX040T701	Solidigm	PCIe	PCI-E 3.0	PCIe(NVMe)	4TB	PCIe Gen3 x4	P4500 Series			
MZPLL3T2HAJQ	Samsung	PCIe	PCI-E 3.0	PCIe(NVMe)	3.2TB	PCIe Gen3 x8	PM1725b Series			
M.2 Expansion PCIe Card										
Product Name	Vendor	Type	Form Factor	Interface	Max. Channels	Interface Speed	Note			
CMT4034	Gigabyte	PCIe	22110	PCIe(NVMe)	4	PCIe Gen3 x16				
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										

CSA4820 (SAS/SATA mode)	GIGABYTE	LSI SAS 3816	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		
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		
MegaRAID 9540-8i (SAS/SATA mode)	Broadcom	SAS3808 Tri-Mode RAID-on-Chip (ROC)	PCIe Gen4 x8	8	2 SlimSAS SFF-8654	-	-	Up to 12Gb/s per port		
Broadcom Host Bus Adapters (HBAs)										
eHBA 9620-16i Tri-Mode Storage Adapter (SAS/SATA mode)	Broadcom	SAS4108 (Avenger ROC)	PCIe Gen4 x8	16	2 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 9600-16i Tri-Mode Storage Adapter (SAS/SATA mode)	Broadcom	SAS4016 (Avenger IOC)	PCIe Gen4 x8	16	2 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		
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		
HBA 9500-16e Tri-Mode Storage Adapter	Broadcom	SAS3816	PCIe Gen4 x8	-	-	-	16 4 SFF-8644	Up to 12Gb/s per port		
HBA 9500-8e Tri-Mode Storage Adapter	Broadcom	SAS3808	PCIe Gen4 x8	-	-	-	8 2 SFF-8644	Up to 12Gb/s per port		
Broadcom Tri-Mode Cards										
MegaRAID 9560-16i Tri-Mode (NVMe)	Broadcom	SAS3916 Tri-Mode RAID-on-Chip (ROC)	PCIe Gen4 x8	16	2 SlimSAS SFF-8654	-	-	Up to 24Gb/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 9540-8i Tri-Mode (NVMe)	Broadcom	SAS3808 Tri-Mode RAID-on-Chip (ROC)	PCIe Gen4 x8	8	2 SlimSAS SFF-8654	-	-	Up to 12Gb/s per port		
eHBA 9620-16i Tri-Mode Storage Adapter (NVMe)	Broadcom	SAS4108 (Avenger ROC)	PCIe Gen4 x8	16	2 SlimSAS SFF-8654	-	-	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 9600-16i Tri-Mode Storage Adapter (NVMe)	Broadcom	SAS4016 (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 9500-8i Tri-Mode Storage Adapter (NVMe)	Broadcom	SAS3808	PCIe Gen4 x8	8	1 SlimSAS SFF-8654	-	-	Up to 12Gb/s per port		
GIGABYTE Tri-Mode Cards										
CSA4820 Tri-Mode (NVMe)	GIGABYTE	LSI SAS 3816	PCIe Gen4 x8	16	2 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		
LAN Cards										
Product Name	Vendor	Connector	System Interface Type	# of Ports	Data Rate	Note				
GIGABYTE LAN Cards										
CLN4B20	GIGABYTE	RJ-45	PCIe Gen3 x8	Dual	10Gb/s per port	Broadcom BCM57416				
CLN4A10	GIGABYTE	RJ-45	PCIe Gen3 x8	Dual	1Gb/s per port	Broadcom BCM5720L				
CLNCD42	GIGABYTE	SFP28	OCF PCIe Gen3 x8	Dual	25Gb/s per port	Broadcom BCM57414 / Support <b>OCF 3.0</b>				
CLNCB22	GIGABYTE	RJ-45	OCF PCIe Gen3 x8	Dual	10Gb/s per port	Broadcom BCM57416 / Support <b>OCF 3.0</b>				
CLNCA12	GIGABYTE	RJ-45	OCF PCIe Gen2 x2	Dual	1Gb/s per port	Broadcom BCM5720 / Support <b>OCF 3.0</b>				
CLN4751	GIGABYTE	QSFP+	PCIe Gen3 x8	Single	40Gb/s per port	INTEL XL710				
CLN4752	GIGABYTE	QSFP+	PCIe Gen3 x8	Dual	40Gb/s per port	INTEL XL710				
CLN4222	GIGABYTE	RJ-45	PCIe Gen3 x4	Dual	10Gb/s per port	INTEL X550-AT2				
CLN4224	GIGABYTE	RJ-45	PCIe Gen3 x4	Quad	10Gb/s per port	INTEL X550-AT2				
CLN4312	GIGABYTE	RJ-45	PCIe Gen2 x4	Dual	1Gb/s per port	INTEL I350-AM2				

CLN4314	GIGABYTE	RJ-45	PCIe Gen2 x4	Quad	1Gb/s per port	INTEL I350-AM4
Intel_10GbE						
X722-DA4	Intel	SFP+	PCIe Gen3 x8	Quad	10Gb/s per port	
Intel_25GbE						
E810-XXVDA2 for OCP	Intel	SFP28	<b>OCF</b> PCIe Gen4 x8	Dual	25Gb/s per port	Support <b>OCF 3.0</b>
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	
Intel_40GbE						
XL710-QDA2	Intel	QSFP+	PCIe Gen3 x8	Dual	40Gb/s per port	
Intel_100GbE						
E810-CQDA2 for OCP	Intel	QSFP28	<b>OCF</b> PCIe Gen4 x16	Dual	100Gb/s per port	Support <b>OCF 3.0</b>
E810-CQDA2	Intel	QSFP28	PCIe Gen4 x16	Dual	100Gb/s per port	
E810-CQDA1	Intel	QSFP28	PCIe Gen4 x16	Single	100Gb/s per port	
(Mellanox) NVIDIA ConnectX						
MCX631102AN-ADAT	NVIDIA	SFP28	PCIe Gen4 x8	Dual	25Gb/s per port	ConnectX®-6 Lx without Crypto
MCX631432AN-ADAB	NVIDIA	SFP28	<b>OCF</b> PCIe Gen4 x8	Dual	25Gb/s per port	ConnectX®-6 Lx without Crypto / Support <b>OCF 3.0</b>
MCX623105AN-CDAT	NVIDIA	QSFP56	PCIe Gen4 x16	Single	100Gb/s per port	ConnectX®-6 Dx No Crypto, No Secure Boot
MCX623106AN-CDAT	NVIDIA	QSFP56	PCIe Gen4 x16	Dual	100Gb/s per port	ConnectX®-6 Dx No Crypto, No Secure Boot
MCX623435AC-VDAB	NVIDIA	QSFP56	<b>OCF</b> PCIe Gen4 x16	Single	200Gb/s per port	ConnectX®-6 Dx With Crypto1, With Secure Boot / Support <b>OCF 3.0</b>
MCX613106A-VDAT	NVIDIA	QSFP56	PCIe Gen4 x16	Dual	200Gb/s per port	Mellanox ConnectX-6 EN
MCX565M-CDAB	NVIDIA	QSFP28	<b>OCF</b> PCIe Gen4 x16	Single	100Gb/s per port	ConnectX®-5 Ex <b>Multi-Host</b> / Support <b>OCF 3.0</b>
MCX623432AN-ADAB	NVIDIA	SFP28	<b>OCF</b> PCIe Gen4 x16	Dual	25Gb/s per port	ConnectX®-6 Dx No Crypto, No Secure Boot / Support <b>OCF 3.0</b>
MCX516A-CCAT	NVIDIA	QSFP28	PCIe Gen3 x16	Dual	100Gb/s per port	Mellanox ConnectX-5 EN
MCX515A-CCAT	NVIDIA	QSFP28	PCIe Gen3 x16	Single	100Gb/s per port	Mellanox ConnectX-5 EN
MCX4121A-ACAT	NVIDIA	SFP28	PCIe Gen3 x8	Dual	25Gb/s per port	Mellanox ConnectX-4 Lx EN
(Mellanox) NVIDIA VPI Adapter Cards						
MCX75510AAS-NEAT	NVIDIA	QSFP	PCIe Gen5 x16	Single	400Gb/s per port	Mellanox ConnectX-7 (without Dual Slot Socket Direct Ready function)
MCX75310AAS-NEAT	NVIDIA	QSFP	PCIe Gen5 x16	Single	400Gb/s per port	NVIDIA ConnectX-7 VPI (InfiniBand)
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)
MCX653105A-ECAT	NVIDIA	QSFP56	PCIe Gen4 x16	Single	100Gb/s per port	Mellanox ConnectX-6 Ex VPI (InfiniBand)
MCX653106A-ECAT	NVIDIA	QSFP56	PCIe Gen4 x16	Dual	100Gb/s per port	Mellanox ConnectX-6 Ex VPI (InfiniBand)
(Mellanox) NVIDIA BlueField-2 DPU Cards						
MBF2H332A-AEEOT	NVIDIA	SFP56	PCIe Gen4 x8	Dual	25Gb/s per port	P-Series/ 2.5GHz
Broadcom (Emulex) Ethernet Networking Adapters						
BCM957508-P2100G	Broadcom	QSFP56	PCIe Gen4 x16	Dual	100Gb/s per port	BCM57508
BCM957414A4142CC	Broadcom	SFP28	PCIe Gen3 x8	Dual	25Gb/s per port	BCM57414 (P225P)

BCM957504-N425G	Broadcom	SFP28	OCF PCIe 4.0	Quad	25Gb/s per port	BCM57504 / Support <b>OCF 3.0</b>
BCM957508-N2100G	Broadcom	QSFP56	OCF PCIe 4.0	Dual	100Gb/s per port	BCM57508 / Support <b>OCF 3.0</b>
BCM957504-N1100G	Broadcom	QSFP56	OCF PCIe 4.0	Single	100Gb/s per port	BCM57508 / Support <b>OCF 3.0</b>
BCM957416N4160C-N210TP	Broadcom	RJ-45	OCF PCIe Gen3 x8	Dual	10Gb/s per port	BCM57416 / Support <b>OCF 3.0</b>
BCM957416A4160C	Broadcom	RJ-45	PCIe Gen3 x8	Dual	10Gb/s per port	BCM5741 (P210TP)
Broadcom FC Host Bus Adapter						
LPe32002-M2	Broadcom	SFP+	PCIe Gen3 x8	Dual	32Gb/s per port	XE501 controller
LPe31002-M6	Broadcom	SFP+	PCIe Gen3 x8	Dual	16Gb/s per port	XE501 controller
Chelsio Networking Adapters						
T6225-CR	Chelsio	SFP28	PCIe Gen3 x8	Dual	25Gb/s per port	Power 13w
T6225-SO-CR	Chelsio	SFP28	PCIe Gen3 x8	Dual	25Gb/s per port	Power 10w
T62100-CR	Chelsio	QSFP28	PCIe Gen3 x16	Dual	100Gb/s per port	Power 22w
T62100-LP-CR	Chelsio	QSFP28	PCIe Gen3 x16	Dual	100Gb/s per port	Power 19w
T62100-SO-CR	Chelsio	QSFP28	PCIe Gen3 x16	Dual	100Gb/s per port	Power 16w
Xilinx (solarflare) Networking Adapters						
X2522-25G-PLUS	Xilinx	SFP28	PCIe Gen3 x8	Dual	25Gb/s per port	
<b>USB Device</b>						
Product Name	Ventor	Type	Connector	Capacity	Note	
USB 3.2 Gen 1 (5Gbps)						
CANVIO BASIC	Toshiba	HDD	Type-A	500GB		
ESW863 8X SLIM	NU	DVD	Type-A			
NA317U+	ineo	Device	Type-A			
SST-TS13	Silver Stone	Device	Type-A			
S1-DS3-Plus	CyberSLIM	Device	Type-A			
MB981U3-1S	ICYDOCK	Device	Type-A			