

**"R182-NA0" Qualification Vender List**

**Please contact FAE support for below orange blocks**

Intel CPU										
Product Name	Code Name	Q-Spec	Stepping	Cache	System Bus	# of Cores	Processor Base Frequency	Max Turbo Frequency	TDP	Memory Types
Intel® Xeon® Processor Platinum 8380	IceLake	QXC0	D1	60MB	11.2GT/s	40	2.30 GHz	3.40 GHz	270 W	DDR4-3200
Intel® Xeon® Processor Platinum 8368	IceLake	QWLL	D1	57MB	11.2GT/s	38	2.40 GHz	3.40 GHz	270 W	DDR4-3200
Intel® Xeon® Processor Platinum 8362	IceLake	QXTL	D2	48MB	11.2GT/s	32	2.80 GHz	3.60 GHz	265 W	DDR4-3200
Intel® Xeon® Processor Platinum 8360Y	IceLake	QXBZ	D1	54MB	11.2GT/s	36	2.40 GHz	3.50 GHz	250 W	DDR4-3200
Intel® Xeon® Processor Platinum 8358P	IceLake	QXCM	D1	48MB	11.2GT/s	32	2.60 GHz	3.40 GHz	240 W	DDR4-3200
Intel® Xeon® Processor Platinum 8352Y	IceLake	QWM3	D1	48MB	11.2GT/s	32	2.20 GHz	3.40 GHz	205 W	DDR4-3200
Intel® Xeon® Processor Platinum 8352V	IceLake	SRK32	D2	54MB	11.2GT/s	36	2.10 GHz	3.50 GHz	195 W	DDR4-2933
Intel® Xeon® Processor Platinum 8352M	IceLake	QXZ0	D2	48MB	11.2GT/s	32	2.30 GHz	3.50 GHz	185W	DDR4-3200
Intel® Xeon® Processor Gold 6354	IceLake	SRKH7	D2	39MB	11.2GT/s	18	3.00 GHz	3.60 GHz	205 W	DDR4-3200
Intel® Xeon® Processor Gold 6346	IceLake	QWMD	D1	36MB	11.2GT/s	16	3.10 GHz	3.60 GHz	205 W	DDR4-3200
Intel® Xeon® Processor Gold 6342	IceLake	QXRU	M1	36MB	11.2GT/s	24	2.80 GHz	3.50 GHz	230 W	DDR4-3200
Intel® Xeon® Processor Gold 6338	IceLake	SRKJ9	D2	48MB	11.2GT/s	32	2.00 GHz	3.20 GHz	205 W	DDR4-3200
Intel® Xeon® Processor Gold 6338N	IceLake	QWM6	D1	48MB	11.2GT/s	32	2.20 GHz	3.50 GHz	185 W	DDR4-2667
Intel® Xeon® Processor Gold 6338T	IceLake	QXS3	M1	36MB	11.2GT/s	24	2.10 GHz	3.40 GHz	165 W	DDR4-3200
Intel® Xeon® Processor Gold 6336Y	IceLake	QXRV	M1	36MB	11.2GT/s	24	2.40 GHz	3.60 GHz	185 W	DDR4-3200
Intel® Xeon® Processor Gold 6334	IceLake	QXRQ	M1	18MB	11.2GT/s	8	3.60 GHz	3.70 GHz	165 W	DDR4-3200
Intel® Xeon® Processor Gold 6330	IceLake	QWMC	D1	42MB	11.2GT/s	28	2.00 GHz	3.10 GHz	205 W	DDR4-2933
Intel® Xeon® Processor Gold 6330N	IceLake	QWLP	D1	42MB	11.2GT/s	28	2.20 GHz	3.40 GHz	165 W	DDR4-2667
Intel® Xeon® Processor Gold 6326	IceLake	QXS7	M1	24MB	11.2GT/s	16	2.90 GHz	3.50 GHz	185 W	DDR4-3200
Intel® Xeon® Processor Gold 5320T	IceLake	QXS6	M1	30MB	11.2GT/s	20	2.30 GHz	3.50 GHz	150 W	DDR4-2993
Intel® Xeon® Processor Gold 5320	IceLake	QXRT	M1	39MB	11.2GT/s	26	2.20 GHz	3.40 GHz	185 W	DDR4-2933
Intel® Xeon® Processor Gold 5318Y	IceLake	QXS2	M1	36MB	11.2GT/s	24	2.10 GHz	3.40 GHz	165 W	DDR4-2933
Intel® Xeon® Processor Gold 5318S	IceLake	QXRX	M1	36MB	11.2GT/s	24	2.10 GHz	3.40 GHz	165 W	DDR4-2933
Intel® Xeon® Processor Gold 5318N	IceLake	QXS4	M1	36MB	11.2GT/s	24	2.10 GHz	3.40 GHz	150 W	DDR4-2667
Intel® Xeon® Processor Gold 5317	IceLake	QXRM	M1	18MB	11.2GT/s	12	3.00 GHz	3.60 GHz	150 W	DDR4-2933
Intel® Xeon® Processor Gold 5315Y	IceLake	QXRR	M1	12MB	11.2GT/s	8	3.20 GHz	3.60 GHz	140 W	DDR4-2933
Intel® Xeon® Processor Silver 4316	IceLake	QXS5	M1	30MB	10.4GT/s	20	2.30 GHz	3.40 GHz	150 W	DDR4-2667
Intel® Xeon® Processor Silver 4314	IceLake	QXS8	M1	24MB	11.2GT/s	16	2.40 GHz	3.40 GHz	135 W	DDR4-2667
Intel® Xeon® Processor Silver 4310T	IceLake	QXRP	M1	15MB	11.2GT/s	10	2.30 GHz	3.40 GHz	105 W	DDR4-2667
Intel® Xeon® Processor Silver 4310	IceLake	QXRN	M1	18MB	10.4GT/s	12	2.10 GHz	3.30 GHz	120 W	DDR4-2667
Intel® Xeon® Processor Silver 4309Y	IceLake	QXRS	M1	12MB	11.2GT/s	8	2.80 GHz	3.60 GHz	105 W	DDR4-2667

**Memory (Memory actually maximum frequency will follow memory controller's spec of CPU you used)**

Product Name	Memory Type	Module Supplier	Size	Chip Brand	Rank	Voltage	Data Transfer Rate	Error Correction	CAS Latency	Pins
RDIMM										
M393A2K43DB2-CVFBQ	DDR4	Samsung	16GB	Samsung-IDT	2Rx8	1.2v	2933MHz	ECC Registered	21	288-pin
M393A4K40DB2-CVFBQ	DDR4	Samsung	32GB	Samsung-IDT	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
M393A8G40AB2-CVFBY	DDR4	Samsung	64GB	Samsung-IDT	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
MTA9ASF2G72PZ-2G9E1UI	DDR4	Micron	16GB	Micron-Rambus	1Rx8	1.2v	2933MHz	ECC Registered	21	288-pin

CT32G4RFD4293.2G9E2.001	DDR4	CRUCIAL	32GB	Micron	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
CT32G4RFD4293.36FE2	DDR4	CRUCIAL	32GB	Micron	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
MTA36ASF4G72PZ-2G9E2TG	DDR4	Micron	32GB	Micron-Montage	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
MTA36ASF4G72PZ-2G9E2VG	DDR4	Micron	32GB	Micron-IDT	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
MTA36ASF4G72PZ-2G9E2UG	DDR4	Micron	32GB	Micron-Rambus	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
MTA36ASF4G72PZ-2G9E2TI	DDR4	Micron	32GB	Micron-Montage	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
MTA18ASF4G72PDZ-2G9E1TI	DDR4	Micron	32GB	Micron-Montage	2Rx8	1.2v	2933MHz	ECC Registered	21	288-pin
MTA36ASF8G72PZ-2G9E1TI	DDR4	Micron	64GB	Micron-Montage	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
MTA36ASF8G72PZ-2G9E1VI	DDR4	Micron	64GB	Micron-IDT	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
NT32GA72D4NBX3P-IX	DDR4	Nanya	32GB	Nanya-Montage or IDT	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
HMA82GR7DJR8N-XN T8	DDR4	SKhynix	16GB	SKhynix-Rambus	2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin
HMA82GR7DJR8N-XN TG	DDR4	SKhynix	16GB	SKhynix -IDT	2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin
HMA84GR7DJR4N-XN T4	DDR4	SKhynix	32GB	SKhynix-Montage	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
HMA84GR7DJR4N-XN TG	DDR4	SKhynix	32GB	SKhynix-Montage	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
HMAA8GR7AJR4N-XN TG	DDR4	SKhynix	64GB	SKhynix-IDT	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
HMAA8GR7AJR4N-XN T8	DDR4	SKhynix	64GB	SKhynix-IDT	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
HMAA8GR7CJR4N-XN T4	DDR4	SKhynix	64GB	SKhynix-Montage	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
HMAA8GR7CJR4N-XN TG	DDR4	SKhynix	64GB	SKhynix-IDT	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
HMAA8GR7CJR4N-XN T8	DDR4	SKhynix	64GB	SKhynix-Rambus	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
MTA9ASF2G72PZ-3G2E1TI	DDR4	Micron	16GB	Micron-Montage	1Rx8	1.2v	3200MHz	ECC Registered	22	288-pin
MTA18ASF2G72PZ-3G2E2TI	DDR4	Micron	16GB	Micron-Montage	1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
MTA18ASF2G72PDZ-3G2J3UI	DDR4	Micron	16GB	Micron-Rambus	2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin
MTA18ASF2G72PDZ-3G2R1TI	DDR4	Micron	16GB	Micron-Rambus	2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin
MTA18ASF2G72PDZ-3G2R1UI	DDR4	Micron	16GB	Micron-Rambus	2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin
MTA18ASF2G72PDZ-3G2R1VI	DDR4	Micron	16GB	Micron-Rambus	2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin

MTA18ASF2G72PZ-3G2R1UI	DDR4	Micron	16GB	Micron-Rambus	1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
MTA36ASF4G72PZ-3G2J3UI	DDR4	Micron	32GB	Micron-Rambus	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
MTA18ASF4G72PZ-3G2F1TI	DDR4	Micron	32GB	Micron-Montage	1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
MTA18ASF4G72PZ-3G2F1UI	DDR4	Micron	32GB	Micron-Rambus	1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
MTA36ASF8G72PZ-3G2F1VI	DDR4	Micron	64GB	Micron-IDT	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
MTA36ASF4G72PZ-3G2R1UI	DDR4	Micron	32GB	Micron-Rambus	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
MTA18ASF4G72PDZ-3G2F1VI	DDR4	Micron	32GB	Micron-IDT	2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin
MTA18ASF4G72PDZ-3G2F1UI	DDR4	Micron	32GB	Micron-Rambus	2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin
MTA36ASF8G72PZ-3G2E1VI	DDR4	Micron	64GB	Micron-IDT	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
M393A2K43DB3-CWEBQ	DDR4	Samsung	16GB	Samsung-IDT	2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin
M393A2K43EB3-CWEBQ	DDR4	Samsung	16GB	Samsung-IDT	2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin
M393A4K40DB3-CWECQ	DDR4	Samsung	32GB	Samsung-Montage	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
M393A4K40DB3-CWEBQ	DDR4	Samsung	32GB	Samsung-IDT	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
M393A4K40DB3-CWEBY	DDR4	Samsung	32GB	Samsung-IDT	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
M393A4K40DB3-CWEGQ	DDR4	Samsung	32GB	Samsung-Rambus	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
M393A8G40AB2-CWEBQ	DDR4	Samsung	64GB	Samsung-IDT	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
M393A8G40AB2-CWEBY	DDR4	Samsung	64GB	Samsung-IDT	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
KSM32RS8/16MER	DDR4	Kingston	16GB	Micron-Rambus	1Rx8	1.2v	3200MHz	ECC Registered	22	288-pin
KSM32RS4/32MER	DDR4	Kingston	32GB	Micron-Rambus	1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
AD4R3200716G22-BHYA	DDR4	ADATA	16GB	SKhynix-Montage	1Rx8	1.2v	3200MHz	ECC Registered	22	288-pin
M393A4G40BB3-CWEGQ	DDR4	Samsung	32GB	Samsung-Rambus	1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
M393A4K40EB3-CWEGQ	DDR4	Samsung	32GB	Samsung-Rambus	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
M393A4K40EB3-CWECQ	DDR4	Samsung	32GB	Samsung-Montage	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
M393A4K40EB3-CWEBY	DDR4	Samsung	32GB	Samsung-IDT	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
M393A8G40BB4-CWEBY	DDR4	Samsung	64GB	Samsung-IDT	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
M393AAG40M32-CAEBQ	DDR4	Samsung	128GB	Samsung	2S2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
M393AAG40M32-CAEBY	DDR4	Samsung	128GB	Samsung	2S2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin

MTA18ASF2G72PZ-3G2R1UI	DDR4	Micron	16GB	Micron-Rambus	1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
MTA18ASF2G72PZ-3G2R1TI	DDR4	Micron	16GB	Micron-Montage	1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
MTA18ASF4G72PZ-3G2F1TI	DDR4	Micron	32GB	Micron-Montage	1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
MTA18ASF4G72PZ-3G2F1UI	DDR4	Micron	32GB	Micron-Rambus	1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
MTA18ASF4G72PDZ-3G2F1VI	DDR4	Micron	32GB	Micron-IDT	2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin
MTA18ASF4G72PDZ-3G2F1UI	DDR4	Micron	32GB	Micron-Rambus	2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin
MTA9ASF1G72PZ-3G2R1VI	DDR4	Micron	8GB	Micron-IDT	1Rx8	1.2v	3200MHz	ECC Registered	22	288-pin
MTA9ASF1G72PZ-3G2R1TI	DDR4	Micron	8GB	Micron-IDT	1Rx8	1.2v	3200MHz	ECC Registered	22	288-pin
MTA36ASF8G72PZ-3G2F1VI	DDR4	Micron	64GB	Micron-IDT	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
MTA9ASF2G72PZ-3G2F1UI	DDR4	Micron	16GB	Micron-Rambus	1Rx8	1.2v	3200MHz	ECC Registered	22	288-pin
KSM32RD8/16MRR	DDR4	Kingston	16GB	Micron-Rambus	2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin
KSM32RD4/32MRR	DDR4	Kingston	32GB	Micron-Rambus	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin

LRDIMM

M386A8K40CM2-CVFBY	DDR4	Samsung	64GB	Samsung-IDT	4DRx4	1.2v	2933MHz	ECC Registered	21	288-pin
M386AAG40MMB-CVFC0	DDR4	Samsung	128GB	Samsung	4DRx4	1.2v	2933MHz	ECC Registered	21	288-pin
M386A8K40DM2-CWELQ	DDR4	Samsung	64GB	Samsung-IDT	4DRx4	1.2v	3200MHz	ECC Registered	22	288-pin
M386A8K40DM2-CWEZY	DDR4	Samsung	64GB	Samsung-IDT	4DRx4	1.2v	3200MHz	ECC Registered	22	288-pin

Intel Optane™ Persistent Memory 200 Series (Barlow PASS) **Due to thermal limitaiton, please mark as orange color if test pass**

NMB1XBD128GQS QVSN	DDR-T	Intel	128GB				3200MHz			288-pin
NMB1XBD256GQS QVSP	DDR-T	Intel	256GB				3200MHz			288-pin
NMB1XBD512GQS QVSQ	DDR-T	Intel	512GB				3200MHz			288-pin

**HDD (if the system build-in with RAID card ,please refer to RAID card QVL list)**

Product Name	Type	Vendor	Form Factor	Format	Capacity	Interface Speed	Series	Cache	RPM	Encryption
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Seagate Enterprise Capacity 2.5 HDD

ST1000NX0313	SATA	Seagate	2.5"	512e	1TB	6Gb/s	Exos 7E2000 (Enterprise Capacity V.3)	128MB	7200	N/A
ST2000NX0243	SATA	Seagate	2.5"	4Kn	2TB	6Gb/s	Exos 7E2000 (Enterprise Capacity V.3)	128MB	7200	N/A
ST2000NX0253	SATA	Seagate	2.5"	512E	2TB	6Gb/s	Exos 7E2000 (Enterprise Capacity V.3)	128MB	7200	N/A

SATA/SAS SSD

Product Name	Type	Vendor	Form Factor	Interface	Capacity	Interface Speed	FW	Note
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SATA/SAS SSD

SSB1K9GTLWCW-D2-SME1720GBT ESM1720 Series	SSD	Phison	2.5"	SATA	1.92TB	6Gb/s			
SSB480GTLWCW-D2-SME1720GBT ESM1720 Series	SSD	Phison	2.5"	SATA	480GB	6Gb/s			
SSB960GTLWCW-D2-SME1720GBT ESM1720 Series	SSD	Phison	2.5"	SATA	960GB	6Gb/s			
SSB240GTLWCW-D2-ESW1710GBT ESW1710 Series	SSD	Phison	2.5"	SATA	240GB	6Gb/s			
SSB480GTLWCW-D2-ESW1710GBT ESW1710 Series	SSD	Phison	2.5"	SATA	480GB	6Gb/s			
SSB960GTLWCW-D2-ESW1710GBT ESW1710 Series	SSD	Phison	2.5"	SATA	960GB	6Gb/s			
MTFDDAK3T8TDS-1AW1ZABYY (5300 PRO)	SSD	Micron	2.5"	SATA	3.84TB	6Gb/s			
MTFDDAK1T9TDS-1AW1ZABYY (5300 PRO)	SSD	Micron	2.5"	SATA	1.92TB	6Gb/s			
MZ7L3480HCHQ-00A07 PM893 Series	SSD	Samsung	2.5"	SATA	480GB	6Gb/s			
MZ7L33T8HBLT-00A07 PM893 Series	SSD	Samsung	2.5"	SATA	3.84TB	6Gb/s			
MZ-7LH1T9NE 883 DCT Series	SSD	Samsung	2.5"	SATA	1.92TB	6Gb/s			
MZ7L31T9HBNA-00A07 PM897 Series	SSD	Samsung	2.5"	SATA	1.92TB	6Gb/s			
SSDSC2KG019T8 D3-S4610 Series	SSD	Intel	2.5"	SATA	1.92TB	6Gb/s			
SSDSC2KB019T8 D3-S4510 Series	SSD	Intel	2.5"	SATA	1.92TB	6Gb/s			
SSDSC2KB019TZ D3-S4520 Series	SSD	Intel	2.5"	SATA	1.92TB	6Gb/s			
XA960LE10063	SSD	Seagate	2.5"	SATA	960GB	6Gb/s			
XA480LE10063	SSD	Seagate	2.5"	SATA	480GB	6Gb/s			
KHK61RSE960G	SSD	Toshiba	2.5"	SATA	960GB	6Gb/s			
<b>PCIe SSD</b>									
Product Name	Type	Vendor	Form Factor	Interface	Capacity	Interface Speed	Note		
PCIe SSD									
SSDPEDKX040T701 P4500 Series PCIe Gen3 x4 4TB	PCIe	Intel	PCI-E 3.0	PCIe(NVMe)	4TB	Gen3 x4			
Samsung PM1725b MZPLL3T2HAJQ PCIe Gen3 x8 3.2TB	PCIe	Samsung	PCI-E 3.0	PCIe(NVMe)	3.2TB	Gen3 x8			
<b>U.2</b>									
Product Name	Type	Vendor	Form Factor	Interface	Capacity	Interface Speed	Note		
U.2 (VROC support)									
SSDPE2KE032T801 P4610 Series	U.2	Intel	2.5"	SFF8639(NVMe)	3.2TB	Gen3 x4			
SSDPE2KX020T801 P4510 Series	U.2	Intel	2.5"	SFF8639(NVMe)	2TB	Gen3 x4			
<b>U.2</b>									
SSDPF2KX153T1 D7-P5520 Series	U.2	Intel	2.5" 15mm	SFF8639(NVMe)	15.36TB	PCIe Gen4 x4			
DPRD3104T0T503T8 R5100 Series	U.2	DapuStor	2.5"	SFF8639(NVMe)	3.84TB	PCIe Gen4 x4			
MTFDHBE3T8TDF 7300 Pro Series	U.2	Micron	2.5"	SFF8639(NVMe)	3.84TB	Gen3 x4			
MZQL23T8HCLS PM9A3 Series	U.2	Samsung	2.5"	SFF8639(NVMe)	3.84TB	PCIe Gen4 x4			
SSDPF2KX038TZ D7-P5510 Series	U.2	Intel	2.5"	SFF8639(NVMe)	3.84TB	PCIe Gen4 x4			
SSDPF2NV153TZ D5-P5316 Series	U.2	Intel	2.5"	SFF8639(NVMe)	15.35TB	PCIe Gen4 x4			
SSDPF2NV307TZ D5-P5316 Series	U.2	Intel	2.5"	SFF8639(NVMe)	30.72TB	PCIe Gen4 x4			
SSDPE2KE032T801 P4610 Series	U.2	Intel	2.5"	SFF8639(NVMe)	3.2TB	Gen3 x4			
SSDPE2KX020T801 P4510 Series	U.2	Intel	2.5"	SFF8639(NVMe)	2TB	Gen3 x4			
MZWLL3T2HAJQ PM1725b Series	U.2	Samsung	2.5"	SFF8639(NVMe)	3.2TB	Gen3 x4			
MTFDHAL3T2TCU 9200 Series	U.2	Micron	2.5"	SFF8639(NVMe)	3.2TB	Gen3 x4			
KCD51LUG960G CD5 Series	U.2	Toshiba	2.5"	SFF8639(NVMe)	960GB	Gen3 x4			
MZWLJ3T8HBLS PM1733 Series	U.2	Samsung	2.5" 15mm	SFF8639(NVMe)	3.84TB	Gen4 x4			
MTFDHAL3T2TDR 9300 Max Series	U.2	Micron	2.5" 15mm	SFF8639(NVMe)	3.2TB	PCIe Gen3 x4			
<b>U.3</b>									
MTFDKCC6T4TFS 7450 Max Series	U.3	Micron	2.5" 15mm	SFF8639(NVMe)	6.4TB	PCIe Gen4 x4			
EU36K4GTLcV-X1-EPW5970GBT	U.3	PHISON	2.5" 15mm	SFF8639(NVMe)	6.4TB	PCIe Gen4 x4	EPW5970 Series		

EU33K2GTLcV-X1-EPW5970GBT	U.3	PHISON	2.5" 15mm	SFF8639(NVMe)	3.2TB	PCIe Gen4 x4	EPW5970 Series		
EU31K6GTLcV-X1-EPW5970GBT	U.3	PHISON	2.5" 15mm	SFF8639(NVMe)	1.6TB	PCIe Gen4 x4	EPW5970 Series		
EU37K6GTLcV-X1-EPM5970GBT	U.3	PHISON	2.5" 15mm	SFF8639(NVMe)	7.68TB	PCIe Gen4 x4	EPM5970 Series		
EU33K8GTLcV-X1-EPM5970GBT	U.3	PHISON	2.5" 15mm	SFF8639(NVMe)	3.84TB	PCIe Gen4 x4	EPM5970 Series		
EU31K9GTLcV-X1-EPM5970GBT	U.3	PHISON	2.5" 15mm	SFF8639(NVMe)	1.92TB	PCIe Gen4 x4	EPM5970 Series		
EU36K4GTLcV-P1EPW0970GBT	U.3	PHISON	2.5" 15mm	SFF8639(NVMe)	6.4TB	PCIe Gen4 x4	EPW0970 Series		
EU33K2GTLcV-P1EPW0970GBT	U.3	PHISON	2.5" 15mm	SFF8639(NVMe)	3.2TB	PCIe Gen4 x4	EPW0970 Series		
EU31K6GTLcV-P1EPW0970GBT	U.3	PHISON	2.5" 15mm	SFF8639(NVMe)	1.6TB	PCIe Gen4 x4	EPW0970 Series		
EU37K6GTLcV-P1EPM0970GBT	U.3	PHISON	2.5" 15mm	SFF8639(NVMe)	7.68TB	PCIe Gen4 x4	EPM0970 Series		
EU33K8GTLcV-P1EPM0970GBT	U.3	PHISON	2.5" 15mm	SFF8639(NVMe)	3.84TB	PCIe Gen4 x4	EPM0970 Series		
EU31K9GTLcV-P1EPM0970GBT	U.3	PHISON	2.5" 15mm	SFF8639(NVMe)	1.92TB	PCIe Gen4 x4	EPM0970 Series		
MTFDKCB7T6TFR 7450 Pro Series	U.3	Micron	2.5" 7mm	SFF8639(NVMe)	7.68TB	PCIe Gen4 x4			
MTFDKCB7T6TDZ 7400 Pro Series	U.3	Micron	2.5"	SFF8639(NVMe)	7.68TB	PCIe Gen4 x4			
MTFDKCC6T4TFC 7400 Max Series	U.3	Micron	2.5"	SFF8639(NVMe)	6.4TB	PCIe Gen4 x4			
KCM61RUL3T84 CM6-R Series	U.3	KIOXIA	2.5"	SFF8639(NVMe)	3.84TB	Gen4 x4			
KCD61LUL1T92 CD6-R Series	U.3	KIOXIA	2.5"	SFF8639(NVMe)	1.92TB	PCIe Gen4 x4			
KCD61LUL3T84 CD6-R Series	U.3	KIOXIA	2.5"	SFF8639(NVMe)	3.84TB	PCIe Gen4 x4			
KCM61RUL960G CM6-R Series	U.3	KIOXIA	2.5"	SFF8639(NVMe)	960GB	PCIe Gen4 x4			

**SATA DOM**

Product Name	Type	Vendor	Capacity	Flash Type	Max. Channels	Max. Power Consumption	Note
SATA III							
Innodisk SATADOM-SL 3ME4 DESSL-64GM41BC1SCB	Vertical	INNODISK	64GB	MLC	1	0.734 W	
Innodisk SATADOM-SL 3ME4 DESSL-A28M41BCADCB-D33	Vertical	INNODISK	128GB	MLC	1	1.02 W	
Innodisk SATADOM-ML 3ME4 DESML-64GM41BCADCB	Vertical	INNODISK	64GB	MLC	2	0.815 W	
Innodisk SATADOM-SH TYPE C 3ME4 DESSC-64GM41BC1SCB	Horizontal	INNODISK	64GB	MLC	1	0.626 W	

**RAID Cards**

Model	RAID-on-Chip Controller	Host Bus Type	Internal Ports	Internal Connectors	External Ports	External Connectors	Data Transfer Rates	Note
GIGABYTE Storage Cards								
CRA3338	LSI SAS 3008	PCIe- x8 Gen3 x8 bus	8	2 xMini-SAS HD for 8x SAS	-	-	12Gb/s ports	
CSA3548	LSI SAS 3008	PCIe- x8 Gen3 x8 bus	-	-	8	2 x external Mini-SAS HD SFF8644	12Gb/s ports	
CRA4448	LSI SAS 3108	PCIe- x8 Gen3 x8 bus	8	2 x internal Mini-SAS HD SFF8643	-	-	12Gb/s ports	
CRAO438	LSI SAS 3108	PCIe- x8 Gen3 x8 bus	8	2 x SlimSAS ports	-	-	12Gb/s ports	
CRAO338	LSI SAS 3008	PCIe- x8 Gen3 x8 bus	8	2 x SlimSAS ports	-	-	12Gb/s ports	
CSA4820 without Tri-mode	LSI SAS 3816	PCIe Gen4 x8	16	2 SlimSAS SFF-8654	-	-	Up to 12Gb/s per port	
LSI RAID Controller Cards								
MegaRAID SAS 9460-16i without Tri-mode	SAS3516 dual-core RAID-on-Chip (ROC)	x8 lane PCI Express® 3.1	16	4 x Mini-SAS HD SFF-8643	-	-	12Gb/s SAS 3.0	
MegaRAID 9560-16i without Tri-mode	SAS3916 Tri-Mode RAID-on-Chip (ROC)	PCIe Gen4 x8	16	2 x8 SlimSAS SFF-8654	-	-	Up to 12Gb/s per port	

**LSI Host Bus Adapters (HBAs)**

LSI SAS 9400-16i without Tri-mode	SAS3416	x8 lane PCI Express® 3.1	16	4 x Mini-SAS HD SFF-8643	-	-	12Gb/s SAS 3.0		
Microsemi RAID Cards									
SmartRAID 3154-16i	PM8236	8-Lane PCIe Gen3	16	4 x Internal, SFF-8643	-	-	12 Gb/s per port		
Microsemi Host Bus Adapters									
SmartHBA 2100-8i	PM8222	8-Lane PCIe Gen3	8	2 x Internal, SFF-8643	-	-	12 Gb/s per port		
LSI Tri-mode card									
MegaRAID 9560-16i with Tri-mode	SAS3916 Tri-Mode RAID-on-Chip (ROC)	PCIe Gen4 x8	16	2 x8 SlimSAS SFF-8654	-	-	Up to 12Gb/s per port		
GIGABYTE Tri-mode card									
CSA4820 with Tri-mode	LSI SAS 3816	PCIe Gen4 x8	16	2 SlimSAS SFF-8654	-	-	Up to 12Gb/s per port		
LAN Cards									
Product Name	Connector	System Interface Type	# of Ports	Data Rate		Note			
CLN4D40	SFP28	PCIe Gen3 x8	Dual	25Gb/s per port		Broadcom BCM57414			
CLN4B20	RJ-45	PCIe Gen3 x8	Dual	10Gb/s per port		Broadcom BCM57416			
CLN4A10	RJ-45	PCIe Gen3 x8	Dual	1Gb/s per port		Broadcom BCM5720L			
CLNCD42	SFP28	<b>OCF</b> PCIe Gen3 x8	Dual	25Gb/s per port		Broadcom BCM57414 / Support <b>OCF 3.0</b>			
CLNCB22	RJ-45	<b>OCF</b> PCIe Gen3 x8	Dual	10Gb/s per port		Broadcom BCM57416 / Support <b>OCF 3.0</b>			
CLNCA12	RJ-45	<b>OCF</b> PCIe Gen2 x2	Dual	1Gb/s per port		Broadcom BCM5720 / Support <b>OCF 3.0</b>			
CLNO832	SFP+	<b>OCF</b> PCIe Gen2 x8	Dual	10Gb/s per port		INTEL 82599ES Support OCP 2.0 type1			
CLNOQ42	SFP28	<b>OCF</b> PCIe Gen3 x8	Dual	25Gb/s per port		Qlogic (Cavium) QL41401-A2G Support OCP 2.0			
CLNO222	RJ-45	<b>OCF</b> PCIe Gen3 x4	Dual	10Gb/s per port		INTEL X550-AT2 Support OCP 2.0 type1			
CLN4831	SFP+	PCIe Gen2 x8	Single	10Gb/s per port		INTEL 82599EN			
CLN4832	SFP+	PCIe Gen2 x8	Dual	10Gb/s per port		INTEL 82599ES			
CLN4751	QSFP+	PCIe Gen3 x8	Single	40Gb/s per port		INTEL XL710			
CLN4752	QSFP+	PCIe Gen3 x8	Dual	40Gb/s per port		INTEL XL710			
CLN4222	RJ-45	PCIe Gen3 x4	Dual	10Gb/s per port		INTEL X550-AT2			
CLN4224	RJ-45	PCIe Gen3 x4	Quad	10Gb/s per port		INTEL X550-AT2			
CLN4M34	SFP28	PCIe Gen3 x16	Quad	10Gb/s per port		Mellanox ConnectX-4			
CLN4312	RJ-45	PCIe Gen2 x4	Dual	1Gb/s per port		INTEL i350-AM2			
CLN4314	RJ-45	PCIe Gen2 x4	Quad	1Gb/s per port		INTEL i350-AM4			
Intel_10GbE									
Intel® Ethernet Network Adapter X722-DA4	SFP+	PCIe v3.0 (8.0 GT/s)	Quad	10Gb/s per port					
Intel_25GbE									
E810-XXVDA2	SFP28	PCIe Gen4 x16	Dual	25Gb/s per port		Controller E810-XXVAM2			
Intel® Ethernet Network Adapter XXV710-DA2 for OCP	SFP28	<b>OCF</b> PCIe v3.0 (8.0 GT/s)	Dual	25Gb/s per port		Support OCP 2.0 type1			
Intel® Ethernet Network Adapter XXV710-DA2	SFP28	PCIe v3.0 (8.0 GT/s)	Dual	25Gb/s per port					
Intel_40GbE									
Intel® Ethernet Converged Network Adapter XL710-QDA2	QSFP+	PCIe v3.0 (8.0 GT/s)	Dual	40Gb/s per port					
Mellanox ConnectX									
MCX623105AN-CDAT	QSFP56	PCIe Gen4 x16	Single	100Gb/s per port		ConnectX®-6 <b>Dx</b> No Crypto, No Secure Boot			
MCX566A-CDAB	QSFP28	<b>OCF PCIe 4.0</b> x16	Dual	100Gb/s per port		Mellanox ConnectX-5 Ex EN / Support OCP 3.0			

MCX516A-CDAT	QSFP28	PCIe 4.0 x16	Dual	100Gb/s per port	Mellanox ConnectX-5 Ex EN
MCX516A-CCAT	QSFP28	PCIe Gen3 x16	Dual	100Gb/s per port	Mellanox ConnectX-5 EN
MCX515A-CCAT	QSFP28	PCIe Gen3 x16	Single	100Gb/s per port	Mellanox ConnectX-5 EN
MCX4421A-ACQN	SFP28	OCF PCIe Gen3 x8	Dual	25Gb/s per port	Mellanox ConnectX-4 Lx EN / Support OCP 2.0
MCX4121A-ACAT	SFP28	PCIe Gen3 x8	Dual	25Gb/s per port	Mellanox ConnectX-4 Lx EN
Mellanox VPI Adapter Cards					
MCX683105AN-HDAT	QSFP	PCIe Gen4 x16	Single	200Gb/s per port	Mellanox ConnectX-6 DE VPI (InfiniBand)
MCX654106A-HCAT	QSFP56	PCIe 3.0 x16	Dual	200Gb/s per port	Mellanox ConnectX-6 Ex VPI (InfiniBand) PCIe3.0 x16 + PCIe3.0x16 aux. card Socket Direct
MCX653106A-HDAT	QSFP56	PCIe 4.0 x16	Dual	200Gb/s per port	Mellanox ConnectX-6 Ex VPI (InfiniBand)
MCX653105A-ECAT	QSFP56	PCIe 4.0 x16	Single	100Gb/s per port	Mellanox ConnectX-6 Ex VPI (InfiniBand)
MCX653106A-ECAT	QSFP56	PCIe 4.0 x16	Dual	100Gb/s per port	Mellanox ConnectX-6 Ex VPI (InfiniBand)
MCX556A-EDAT	QSFP28	PCIe 4.0 x16	Dual	100Gb/s per port	Mellanox ConnectX-5 Ex VPI (InfiniBand)
MCX555A-ECAT	QSFP28	PCIe 3.0 x16	Single	100Gb/s per port	Mellanox ConnectX-5 VPI (InfiniBand)
(Mellanox) NVIDIA BlueField-2 DPU Cards					
MBF2M345A-HESOT	QSFP56	PCIe Gen4 x16	Single	200Gb/s per port	E-Series/ 2.0GHz
Qlogic LAN Adapters					
QL45611HLCU	QSFP28	PCIe x16 Gen3 x16	Single	100Gb/s per port	
QLE3442-RJ-CK	RJ-45	PCIe x8 Gen3 x8	Dual	10Gb/s per port	
Broadcom (Emulex) Ethernet Networking Adapters					
BCM957508-P2100G	QSFP56	PCIe 4.0 x16	Dual	100Gb/s per port	BCM57508
BCM957414A4142CC	SFP28	PCIe 3.0 x8	Dual	25Gb/s per port	BCM57414
BCM957508-N2100G	QSFP56	OCF PCIe 4.0	Dual	100Gb/s per port	BCM57508 / Support OCF 3.0
BCM957504-N425G	SFP28	OCF PCIe 4.0	Quad	25Gb/s per port	BCM57504 / Support OCF 3.0
BCM957414M4142C	SFP28	OCF PCIe 3.0 x8	Dual	25Gb/s per port	BCM57414 / Support OCP 2.0 type1
BCM957416A4160C	RJ-45	PCIe 3.0 x8	Dual	10Gb/s per port	BCM5741 (P210TP)
Broadcom FC Host Bus Adapter					
LPe32002-M2	SFP+	PCIe 3.0 x8	Dual	32Gb/s per port	XE501 controller
LPe31002-M6	SFP+	PCIe Gen3 x8	Dual	16Gb/s per port	XE501 controller
<b>USB Device</b>					
Product Name	Type	Vendor	Capacity	Note	
USB 3.0					
PURE CLASSIC X176B1FWBO75	HDD	Gigabyte	500G		
GoFlex STAA500305	HDD	Seagate	500G		
TOSHIBA CANVIO BASIC	HDD	Toshiba	500G		
NA317U+	Device	ineo			
SST-TS13	Device	Silver Stone			
S1-DS3-Plus	Device	CyberSLIM			
MB981U3-1S	Device	ICYDOCK			
i310-SB3(6G)	Device	STARDOM			