

**"G292-Z20" Qualification Vender List**

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

AMD CPU										
Product Name	Code Name	Package	Stepping	L3 Cache	# of Cores / Threads	Processor Base Freq (GHz)	Processor Boost Max Freq (GHz)	Default TDP	cTDP Min / cTDP Max	Memory Types
AMD 7601 PS7601BDVIHAF	Naples	SP3	B2	64MB	32 / 64	2.20	3.20	180W	180W	DDR4-2666
AMD 7551 PS7551BDVIHAF	Naples	SP3	B2	64MB	32 / 64	2.00	3.00	180W	180W	DDR4-2666
AMD 7451 PS7451BDVHCAF	Naples	SP3	B2	64MB	24 / 48	2.30	3.20	180W	180W	DDR4-2666
AMD 7351 PS7351BEVGPAF	Naples	SP3	B2	64MB	16 / 32	2.40	2.90	155W	155/170W	DDR4-2400/2666
AMD 7351P PS735PBEVGPAF	Naples	SP3	B2	64MB	16 / 32	2.40	2.90	155W	155/170W	DDR4-2400/2666
AMD 7501 PS7501BEVIHAF	Naples	SP3	B2	64MB	32 / 64	2.00	3.00	155W	155/170W	DDR4-2400/2666
AMD 7401 PS7401BEVHCAF	Naples	SP3	B2	64MB	24 / 48	2.00	3.00	155W	155/170W	DDR4-2400/2666
AMD 7401P PS740PBEVHCAF	Naples	SP3	B2	64MB	24 / 48	2.00	3.00	155W	155/170W	DDR4-2400/2666
AMD 7371 PS7371BDVGPAF	Naples	SP3	B2	64MB	16 / 32	3.10	3.80	200W	200W	DDR4-2666
AMD 7301 PS7301BEVGPAF	Naples	SP3	B2	64MB	16 / 32	2.20	2.70	155W	155/170W	DDR4-2400/2666
AMD 7281 PS7281BEVGAAF	Naples	SP3	B2	64MB	16 / 32	2.10	2.70	155W	155/170W	DDR4-2400/2666
AMD 7261 PS7261BEV8RAF	Naples	SP3	B2	64MB	8 / 16	2.50	2.90	155W	155/170W	DDR4-2400/2666
AMD 7251 PS7251BFV8SAF	Naples	SP3	B2	32MB	8 / 16	2.00	2.90	120W	120W	DDR4-2400
Product Name	Code Name	Package	Stepping	L3 Cache	# of Cores / Threads	Processor Base Freq (GHz)	Processor Boost Max Freq (GHz)	Default TDP	cTDP Min / cTDP Max	Memory Types
AMD 7F72 100-000000141	ROME	SP3	PD	192MB	24 / 48			240W	225W/240W	DDR4-3200
AMD 7F52 100-000000140	ROME	SP3	PD	256MB	16 / 32	3.50	3.90	240W	225W/240W	DDR4-3200
AMD 7F32 100-000000139	ROME	SP3	B0 PR	128MB	8 / 16	3.70	3.90	180W	165W/200W	DDR4-3200
AMD 7H12 100-000000055	ROME	SP3	PD	256MB	64 / 128	2.60	3.40	280W	225W/280W	DDR4-3200
AMD 7742 100-000000053	ROME	SP3	B0 PR	256MB	64 / 128	2.25	3.40	225W	225W/240W	DDR4-3200
AMD 7702 100-000000038	ROME	SP3	B0 PR	256MB	64 / 128	2.00	3.35	200W	165W/200W	DDR4-3200
AMD 7662 100-000000137	ROME	SP3	PD	256MB	64 / 128	2.00	3.30	225W	225W/240W	DDR4-3200
AMD 7642 100-000000074	ROME	SP3	B0 PR	192MB	48 / 96	2.30	3.40	225W	225W/240W	DDR4-3200
AMD 7552 100-000000076	ROME	SP3	B0 PR	192MB	48 / 96	2.20	3.30	200W	165W/200W	DDR4-3200
AMD 7542 100-000000075	ROME	SP3	B0 PR	128MB	32 / 64	2.90	3.40	225W	225W/240W	DDR4-3200
AMD 7532 100-000000136	ROME	SP3	PD	256MB	32 / 64	2.40	3.30	200W	180W/200W	DDR4-3200
AMD 7502 100-000000054	ROME	SP3	B0 PR	128MB	32 / 64	2.50	3.35	180W	165W/200W	DDR4-3200
AMD 7452 100-000000057	ROME	SP3	B0 PR	128MB	32 / 64	2.35	3.35	155W	155W/180W	DDR4-3200
AMD 7402 100-000000046	ROME	SP3	B0 PR	128MB	24 / 48	2.80	3.35	180W	165W/200W	DDR4-3200
AMD 7352 100-000000077	ROME	SP3	B0 PR	128MB	24 / 48	2.30	3.20	155W	155W/180W	DDR4-3200
AMD 7302 100-000000043	ROME	SP3	B0 PR	128MB	16 / 32	3.00	3.30	155W	155W/180W	DDR4-3200
AMD 7282 100-000000078	ROME	SP3	B0 PR	64MB	16 / 32	2.80	3.20	120W	120W/150W	DDR4-2666
AMD 7272 100-000000079	ROME	SP3	PD	64MB	12 / 24	2.90	3.20	120W	120W/150W	DDR4-2666
AMD 7262 100-000000041	ROME	SP3	B0 PR	128MB	8 / 16	3.20	3.40	155W	155W/180W	DDR4-3200
AMD 7252 100-000000080	ROME	SP3	PD	64MB	8 / 16	3.10	3.20	120W	120W/150W	DDR4-2666
AMD 7702P 100-000000047	ROME	SP3	B0 PR	256MB	64 / 128	2.00	3.35	200W	165W/200W	DDR4-3200
AMD 7502P 100-000000045	ROME	SP3	B0 PR	128MB	32 / 64	2.50	3.35	180W	165W/200W	DDR4-3200
AMD 7402P 100-000000048	ROME	SP3	B0 PR	128MB	24 / 48	2.80	3.35	180W	165W/200W	DDR4-3200
AMD 7302P 100-000000049	ROME	SP3	B0 PR	128MB	16 / 32	3.00	3.30	155W	155W/180W	DDR4-3200
AMD 7232P 100-000000081	ROME	SP3	PD	32MB	8 / 16	3.10	3.20	120W	120W/150W	DDR4-2666
Product Name	Code Name	Package	Stepping	L3 Cache	# of Cores / Threads	Processor Base Freq (GHz)	Processor Boost Max Freq (GHz)	Default TDP	cTDP Min / cTDP Max	Memory Types
AMD 7453 100-000000319	Milan	SP3	PR	64MB	28 / 56	2.75	3.45	225W	225W/240W	DDR4-3200
AMD 7763 100-000000312	Milan	SP3	PR	256MB	64 / 128	2.45	3.50	280W	225W/280W	DDR4-3200
AMD 7713 100-000000344	Milan	SP3	PR	256MB	64 / 128	2.00	3.675	225W	225W/240W	DDR4-3200

AMD 7663 100-000000318	Milan	SP3	PR	256MB	56 / 112	2.00	3.50	240W	225W/240W	DDR4-3200
AMD 7643 100-000000326	Milan	SP3	PR	256MB	48 / 96	2.30	3.60	225W	225W/240W	DDR4-3200
AMD 75F3 100-000000313	Milan	SP3	PR	256MB	32 / 64	2.95	4.00	280W	225W/280W	DDR4-3200
AMD 7543 100-000000345	Milan	SP3	PR	256MB	32 / 64	2.80	3.70	225W	225W/240W	DDR4-3200
AMD 7513 100-000000334	Milan	SP3	PR	128MB	32 / 64	2.60	3.65	200W	165W/200W	DDR4-3200
AMD 74F3 100-000000317	Milan	SP3	PR	256MB	24 / 48	3.20	4.00	240W	225W/240W	DDR4-3200
AMD 7443 100-000000340	Milan	SP3	PR	128MB	24 / 48	2.85	4.00	200W	165W/200W	DDR4-3200
AMD 7413 100-000000323	Milan	SP3	PR	128MB	24 / 48	2.65	3.60	180W	165W/200W	DDR4-3200
AMD 73F3 100-000000321	Milan	SP3	PR	256MB	16 / 32	3.50	4.00	240W	225W/240W	DDR4-3200
AMD 7343 100-000000338	Milan	SP3	PR	128MB	16 / 32	3.20	3.90	190W	165W/200W	DDR4-3200
AMD 7313 100-000000329	Milan	SP3	PR	128MB	16 / 32	3.00	3.70	155W	155W/180W	DDR4-3200
AMD 72F3 100-000000327	Milan	SP3	PR	256MB	8 / 16	3.70	4.10	180W	165W/200W	DDR4-3200
AMD 7713P 100-000000337	Milan	SP3	PR	256MB	64 / 128	2.00	3.675	225W	225W/240W	DDR4-3200
AMD 7543P 100-000000341	Milan	SP3	PR	256MB	32 / 64	2.80	3.70	225W	225W/240W	DDR4-3200
AMD 7443P 100-000000342	Milan	SP3	PR	128MB	24 / 48	2.85	4.00	200W	165W/200W	DDR4-3200
AMD 7313P 100-000000339	Milan	SP3	PR	128MB	16 / 32	3.00	3.70	155W	155W/180W	DDR4-3200

Product Name	Code Name	Package	Stepping	L3 Cache	# of Cores / Threads	Processor Base Freq (GHz)	Processor Boost Max Freq (GHz)	Default TDP	cTDP Min / cTDP Max	Memory Types
AMD 7773X 100-000000504	MilanX	SP3	PR	768MB	64 / 128	2.20	3.50	280W	225W/280W	DDR4-3200
AMD 7573X 100-000000506	MilanX	SP3	PR	768MB	32 / 64	2.80	3.60	280W	225W/280W	DDR4-3200
AMD 7473X 100-000000507	MilanX	SP3	PR	768MB	24 / 48	2.80	3.70	240W	225W/280W	DDR4-3200
AMD 7373X 100-000000508	MilanX	SP3	PR	768MB	16 / 32	3.05	3.80	240W	225W/280W	DDR4-3200

**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										
MTA9ASF1G72PZ.2G9E1VG	DDR4	Micron	8GB	Micron-IDT	1Rx8	1.2v	2933MHz	ECC Registered	21	288-pin
MTA9ASF1G72PZ.2G9E1UG	DDR4	Micron	8GB	Micron-Rambus	1Rx8	1.2v	2933MHz	ECC Registered	21	288-pin
MTA9ASF1G72PZ.2G9E1TI	DDR4	Micron	8GB	Micron-Montage	1Rx8	1.2v	2933MHz	ECC Registered	21	288-pin
CT64G4RFD4293-2G9B2.001	DDR4	Crucial	64GB	Micron-IDT	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
MTA36ASF8G72PZ-2G9B2VI	DDR4	Crucial	64GB	Micron-IDT	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
CT8G4RFS8293.9FE1	DDR4	CRUCIAL	8GB	Micron	1Rx8	1.2v	2933MHz	ECC Registered	21	288-pin
CT8G4RFS8293-2G9E1.001	DDR4	CRUCIAL	8GB	Micron	1Rx8	1.2v	2933MHz	ECC Registered	21	288-pin
HMA82GR7CJR8N-XN T4	DDR4	SKhynix	16GB	SKhynix	2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin
HMA82GR7CJR8N-XN T8	DDR4	SKhynix	16GB	SKhynix	2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin

HMA82GR7CJR8N-XN TG	DDR4	SKhynix	16GB	SKhynix	2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin
KSM29RD8/16MEI	DDR4	Kingston	16GB	Micron-IDT	2Rx8	1.2v	2933MHz	ECC Registered	21	288-pin
KSM29RD4/32MEI	DDR4	Kingston	32GB	Micron-IDT	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
CT64G4RFD4293-2G9B1.001	DDR4	CRUCIAL	64GB	Micron-IDT	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
MTA36ASF8G72PZ-2G9B1VI	DDR4	Micron	64GB	Micron-IDT	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
CT16G4RFS4293.18FE1	DDR4	CRUCIAL	16GB	Micron	1Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
CT16G4RFS4293-2G9E1.001	DDR4	CRUCIAL	16GB	Micron	1Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
MTA18ASF2G72PZ.2G9E1TK	DDR4	Micron	16GB	Micron-Montage	1Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
MTA18ASF2G72PZ.2G9E1VG	DDR4	Micron	16GB	Micron-IDT	1Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
M393A8G40MB2-CVFBY	DDR4	Samsung	64GB	Samsung-IDT	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
M393A2K43CB2-CVFBQ	DDR4	Samsung	16GB	Samsung-IDT	2Rx8	1.2v	2933MHz	ECC Registered	21	288-pin
M393A2K43DB2-CVFBQ	DDR4	Samsung	16GB	Samsung-IDT	2Rx8	1.2v	2933MHz	ECC Registered	21	288-pin
M393A8G40AB2-CVFBY	DDR4	Samsung	64GB	Samsung-IDT	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
CT16G4RFD8293.18FE1	DDR4	CRUCIAL	16GB	Micron	2Rx8	1.2v	2933MHz	ECC Registered	21	288-pin
CT16G4RFD8293.2G9E1.001	DDR4	CRUCIAL	16GB	Micron	2Rx8	1.2v	2933MHz	ECC Registered	21	288-pin
MTA18ASF2G72PDZ-2G9E1UG	DDR4	Micron	16GB	Micron-Rambus	2Rx8	1.2v	2933MHz	ECC Registered	21	288-pin
MTA18ASF2G72PDZ-2G9E1VG	DDR4	Micron	16GB	Micron-IDT	2Rx8	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
HMAA8GR7MJR4N-WM T4	DDR4	SKhynix	64GB	SKhynix-Montage	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin
NT16GA72D8PBX3P-IX	DDR4	Nanya	16GB	Nanya-IDT	2Rx8	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
CT32G4RFD432A.36FE2 <b>(3200MHz only support on 1DPC)</b>	DDR4	Crucial	32GB	Micron-Montage	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
CT32G4RFD432A-3G2E2.001 <b>(3200MHz only support on 1DPC)</b>	DDR4	Crucial	32GB	Micron-Montage	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
MTA36ASF4G72PZ.3G2E2TG <b>(3200MHz only support on 1DPC)</b>	DDR4	Micron	32GB	Micron-Montage	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
M393A2K40DB2-CWEBQ <b>(3200MHz only support on 1DPC)</b>	DDR4	Samsung	16GB	Samsung-IDT	1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
M393A2K43DB2-CWEBQ <b>(3200MHz only support on 1DPC)</b>	DDR4	Samsung	16GB	Samsung-IDT	2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin
HMA84GR7CJR4N-XN T8	DDR4	SKhynix	32GB	SKhynix	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
HMA84GR7CJR4N-XN T4	DDR4	SKhynix	32GB	SKhynix	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
HMA84GR7CJR4N-XN TG	DDR4	SKhynix	32GB	SKhynix	2Rx4	1.2v	3200MHz	ECC Registered	22	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-IDT	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-Rambus	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
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
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
MTA18ASF4G72PDZ-3G2B2TI	DDR4	Micron	32GB	Micron-Montage	2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin
MTA36ASF4G72PZ-3G2J3UI	DDR4	Micron	32GB	Micron-Rambus	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
M393A2K40DB3-CWEGQ	DDR4	Samsung	16GB	Samsung-Rambus	1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
M393A2K40DB3-CWEBQ	DDR4	Samsung	16GB	Samsung-IDT	1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
M393A2K40DB3-CWECQ	DDR4	Samsung	16GB	Samsung-	1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
M393A4K40DB2-CWEBQ (3200MHz only support on 1DPC)	DDR4	Samsung	32GB	Samsung-IDT	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
M393A2K40EB3-CWEGQ	DDR4	Samsung	16GB	Samsung-Rambus	1Rx4	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
KSM32RD4/32MEI	DDR4	Kingston	32GB	Micron-IDT	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin

KSM32RD8/16MEI	DDR4	Kingston	16GB	Micron-IDT	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
AD4R3200316G22-BSSC	DDR4	ADATA	16GB	Samsung-IDT	2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin
MTA36ASF4G72PZ.3G2E7VI	DDR4	Micron	32GB	Micron-IDT	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
MTA36ASF4G72PZ.3G2E7TI	DDR4	Micron	32GB	Micron-Montage	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
CT64G4RFD432A-3G2B2.001	DDR4	Crucial	64GB	Micron	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
MTA36ASF8G72PZ.3G2B2TI	DDR4	Micron	64GB	Micron	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
CT32G4RFD432A-3G2E7.001	DDR4	Crucial	32GB	Micron-IDT	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
CT32G4RFD432A.36FE7	DDR4	Crucial	32GB	Micron-IDT	2Rx4	1.2v	3200MHz	ECC Registered	22	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
MTA18ASF4G72PDZ-2G9E1TI	DDR4	Micron	32GB	Micron-Montage	2Rx8	1.2v	2933MHz	ECC Registered	21	288-pin
MTA9ASF2G72PZ-2G9E1UI	DDR4	Micron	16GB	Micron-Rambus	1Rx8	1.2v	2933MHz	ECC Registered	21	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
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
MTA36ASF4G72PZ-3G2R1UI	DDR4	Micron	32GB	Micron-Rambus	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
MTA36ASF8G72PZ-3G2E1VI	DDR4	Micron	64GB	Micron-IDT	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
MTA36ASF8G72PZ-3G2F1VI	DDR4	Micron	64GB	Micron-IDT	2Rx4	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
MTA9ASF1G72PZ-3G2R1VI	DDR4	Micron	8GB	Micron-IDT	1Rx8	1.2v	3200MHz	ECC Registered	22	288-pin
MTA9ASF1G72PZ-3G2R1TI	DDR4	Micron	8GB	Micron-Montage	1Rx8	1.2v	3200MHz	ECC Registered	22	288-pin
MTA9ASF2G72PZ-3G2F1UI	DDR4	Micron	16GB	Micron-Rambus	1Rx8	1.2v	3200MHz	ECC Registered	22	288-pin
M393A2K43EB3-CWEBQ	DDR4	Samsung	16GB	Samsung-IDT	2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin
M393A4G40BB3-CWEGQ	DDR4	Samsung	32GB	Samsung-Rambus	1Rx4	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
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

HMAA8GL7AMR4N-VKTF	DDR4	SKhynix	64GB	SKhynix	4DRx4	1.2v	2666MHz	ECC Registered	17	288-pin
M386A8K40CM2-CVFBY	DDR4	Samsung	64GB	Samsung-IDT	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

**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
ST1000NX0303	SATA	Seagate	2.5"	4Kn	1TB	6Gb/s	EXOS 7E2000	128MB	7200	N/A

SATA/SAS SSD

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

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

MZ-7LH1T9NE 883 DCT Series	SSD	Samsung	2.5"	SATA	1.92TB	6Gb/s			
SSDSC2KG019T8 D3-S4610 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			
SEDC500M/3840G DC500M Series	SSD	Kingston	2.5"	SATA	3.84TB	6Gb/s			
SEDC500M/1920G DC500M Series	SSD	Kingston	2.5"	SATA	1.92TB	6Gb/s			
SEDC500M/960G DC500M Series	SSD	Kingston	2.5"	SATA	960GB	6Gb/s			
SEDC500M/480G DC500M Series	SSD	Kingston	2.5"	SATA	480GB	6Gb/s			
SRE100-960G00210000	SSD	Phison	2.5"	SATA	960GB	6Gb/s			
SRE100-480G00210000	SSD	Phison	2.5"	SATA	480GB	6Gb/s			
ASR1100SS-240GT-B	SSD	Adata	2.5"	SATA	240GB	6Gb/s			
KHK61RSE960G	SSD	Toshiba	2.5"	SATA	960GB	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			

SAS SSD

MZILT7T6HMLA-00007 PM1643 Series	SSD	Samsung	2.5"	SAS	7.68TB	12Gb/s			
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PCIe SSD

Product Name	Type	Vendor	Form Factor	Interface	Capacity	Interface Speed	Note		
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PCIe SSD

SSDPEDKX040T701 P4500 Series PCIe Gen3 x4 4TB	PCIe	Intel	PCI-E 3.0	PCIe(NVMe)	4TB	PCIe Gen3 x4			
Samsung PM1725b MZPLL3T2HAJQ PCIe Gen3 x8 3.2TB	PCIe	Samsung	PCI-E 3.0	PCIe(NVMe)	3.2TB	PCIe Gen3 x8			

U.2

Product Name	Type	Vendor	Form Factor	Interface	Capacity	Interface Speed	Note		
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U.2

SSDPE2KE032T801 P4610 Series	U.2	Intel	2.5"	SFF8639(NVMe)	3.2TB	PCIe Gen3 x4			
SSDPE2KX020T801 P4510 Series	U.2	Intel	2.5"	SFF8639(NVMe)	2TB	PCIe Gen3 x4			
MZWL3T2HAJQ PM1725b Series	U.2	Samsung	2.5"	SFF8639(NVMe)	3.2TB	PCIe Gen3 x4			
MZQLW1T9HMJP PM963 Series	U.2	Samsung	2.5"	SFF8639(NVMe)	1.92TB	PCIe Gen3 x4			
MTFDHAL3T2TCU 9200 Series	U.2	Micron	2.5"	SFF8639(NVMe)	3.2TB	PCIe Gen3 x4			
MZ-QLB1T9N 983 DCT Series	U.2	Samsung	2.5"	SFF8639(NVMe)	1.92TB	PCIe Gen3 x4			
NS1951UF13T8 Netlist N1951 D2 Series	U.2	Netlist	2.5"	SFF8639(NVMe)	3.84TB	PCIe Gen3 x4			
NS1551U711T9 Netlist N1551 D2 Series	U.2	Netlist	2.5"	SFF8639(NVMe)	1.92TB	PCIe Gen3 x4			
KCD51LUG960G CD5 Series	U.2	KIOXIA	2.5"	SFF8639(NVMe)	960GB	PCIe Gen3 x4			

M.2

Product Name	Type	Vendor	Form Factor	Interface	Capacity	Interface Speed	Note		
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M.2

SSDPELKX010T801 P4511 Series 1TB	M.2	Intel	22110	PCIe(NVMe)	1TB	PCIe Gen3 x4			
SSDPEKKA010T801 P4101 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			
MZ-1LB1T9N 983 DCT Series	M.2	Samsung	22110	PCIe(NVMe)	1.92TB	PCIe Gen3 x4			

GPGPU Card (GPGPU server only)

Product Name	Processor Cores	Memory Bandwidth (GB/sec)	VRAM	OpenGL	Microsoft DirectX	Graphics Card Power (W)	NVIDIA SLI / AMD CrossFire Ready	Note	
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NVIDIA Tesla (<http://www.nvidia.com/object/tesla-supercomputing-solutions.html>)

T4 (TURING)	2560	320 GB/s	16GB			70 W			(Maximum support 8pcs GPGPU)
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A100 (Ampere)	6912	1555 GB/s	40GB			250 W			(Maximum support 8pcs GPGPU)
NVIDIA Quadro ( <a href="https://www.nvidia.com/zh-tw/design-visualization/quadro/">https://www.nvidia.com/zh-tw/design-visualization/quadro/</a> )									
RTX 6000 Passive	4608	624GB/s	24GB			250W			(Maximum support 8pcs GPGPU)
RTX 8000 Passive	4608	624GB/s	48GB			250W			(Maximum support 8pcs GPGPU)
AMD Radeon Instinct									
MI50 (Vega20) 16GB	3840	1024GB/s	16GB			300 W			(Maximum support 8pcs GPGPU)
MI50 (Vega20) 32GB	3840	1024GB/s	32GB			300 W			(Maximum support 8pcs GPGPU)

**RAID Cards**

Product Name	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 Gen3 x8	8	2 x Mini-SAS HD SFF-8643	-	-	Up to 12Gb/s per port		
CSA3548	LSI SAS 3008	PCIe Gen3 x8	-	-	8	2 x Mini-SAS HD SFF-8644	Up to 12Gb/s per port		
CSA4648	LSI SAS 3008	PCIe Gen3 x8	8	2 x Mini-SAS HD SFF-8643	-	-	Up to 12Gb/s per port		
CRA4548	LSI SAS 3108	PCIe Gen3 x8	4	2 x Mini-SAS HD SFF-8643	4	1 x Mini-SAS HD SFF-8644	Up to 12Gb/s per port		
CRA4648	LSI SAS 3108	PCIe Gen3 x8	8	2 x Mini-SAS HD SFF-8643	-	-	Up to 12Gb/s per port		
CRA4448	LSI SAS 3108	PCIe Gen3 x8	8	2 x Mini-SAS HD SFF-8643	-	-	Up to 12Gb/s per port		
LSI RAID Controller Cards									
MegaRAID SAS 9460-8i without Tri-mode	SAS3508 dual-core RAID-on-Chip (ROC)	PCIe Gen3 x8	8	2 x Mini-SAS HD SFF-8643	-	-	Up to 12Gb/s per port		
LSI Host Bus Adapters (HBAs)									
LSI SAS 9400-16i without Tri-mode	SAS3416	PCIe Gen3 x8	16	4 x Mini-SAS HD SFF-8643	-	-	Up to 12Gb/s per port		
Microsemi RAID Cards									
SmartRAID 3154-16i	PM8236	PCIe Gen3 x8	16	4 x Mini-SAS HD SFF-8643	-	-	Up to 12Gb/s per port		
Microsemi Host Bus Adapters									
SmartHBA 2100-8i	PM8222	PCIe Gen3 x8	8	2 x Mini-SAS HD SFF-8643	-	-	Up to 12Gb/s per port		

**LAN Cards**

Product Name	Connector	System Interface Type	# of Ports	Data Rate	Note
GIGABYTE LAN Cards					
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
Intel_10GbE					
Intel® Ethernet Converged Network Adapter X550-T2	RJ-45	PCIe Gen3 x4	Dual	10Gb/s per port	
Intel_25GbE					
Intel® Ethernet Network Adapter XXV710-DA2	SFP28	PCIe Gen3 x8	Dual	25Gb/s per port	
Intel_40GbE					

Intel® Ethernet Converged Network Adapter XL710-QDA2	QSFP+	PCIe Gen3 x8	Dual	40Gb/s per port					
Mellanox ConnectX									
MCX516A-CDAT	QSFP28	PCIe Gen4 x16	Dual	100Gb/s per port	Mellanox ConnectX-5 Ex EN				
MCX516A-BDAT	QSFP28	PCIe Gen4 x16	Dual	40Gb/s per port	Mellanox ConnectX-5 Ex EN				
MCX515A-CCAT	QSFP28	PCIe Gen3 x16	Single	100Gb/s per port	Mellanox ConnectX-5 EN				
MCX4121A-ACAT	SFP28	PCIe Gen3 x8	Dual	25Gb/s per port	Mellanox ConnectX-4 Lx EN				
Mellanox VPI Adapter Cards									
MCX653105A-HDAT	QSFP56	PCIe Gen4 x16	Single	200Gb/s per port	Mellanox ConnectX-6 Ex VPI (InfiniBand)				
MCX653105A-ECAT	QSFP56	PCIe Gen4 x16	Single	100Gb/s per port	Mellanox ConnectX-6 Ex VPI (InfiniBand)				
MCX653106A-ECAT	QSFP56	PCIe Gen4 x16	Dual	100Gb/s per port	Mellanox ConnectX-6 Ex VPI (InfiniBand)				
MCX555A-ECAT	QSFP28	PCIe Gen3 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				
MBF2H332A-AEEOT	SFP56	PCIe Gen4 x8	Dual	25Gb/s per port	P-Series/ 2.5GHz				
QL45611HLCU	QSFP28	PCIe Gen3 x16	Single	100Gb/s per port					
QLE3442-RJ-CK	RJ-45	PCIe Gen3 x8	Dual	10Gb/s per port					
Broadcom (Emulex) Ethernet Networking Adapters									
BCM957508-P2100G	QSFP56	PCIe Gen4 x16	Dual	100Gb/s per port	BCM57508				
BCM957414A4142CC	SFP28	PCIe Gen3 x8	Dual	25Gb/s per port	BCM57414				
<b>Transceiver / AOC / DAC</b>									
Product Name	Data Rate (Gbps)	Form Factor	Length	Connector type	nominal optical wavelength(nm)	Note			
Transceiver									
Avago AFBR-709DMZ	10Gbps/1Gbps	SFP+	N/A	LC	850				
Finisar FTLX8574D3BCV	10Gbps/1Gbps	SFP+	N/A	LC	850				
Active Optical Cables (AOC)									
Avago AFBR-7CER03Z	10Gbps	SFP+	3M	SFP+ to SFP+	850				
Avago AFBR-7CER07Z	10Gbps	SFP+	7M	SFP+ to SFP+	850				
Direct Attach Copper (DAC)									
WAVESPLITTER WST-SFP+DACP0-2H	10Gbps	SFP+	2.5M	SFP+ to SFP+	N/A				
<b>USB Device</b>									
Product Name	Type	Vendor	Capacity	Note					
USB 3.0									
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							