GIGABYTE™

Qualification Vendor List

AMD CPU

Product Name	Vendor	Code Name	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
Raphael											
Don't write "Test Items" under this line!!!											
Ryzen 5 7600	AMD	Raphael		32MB	6C / 12T	3.8GHz	5.1GHz	65W		DDR5	
Ryzen 5 7600X	AMD	Raphael		32MB	6C / 12T	4.7GHz	5.3GHz	105W		DDR5	
Ryzen 7 7700	AMD	Raphael		32MB	8C / 16T	3.8GHz	5.3GHz	65W		DDR5	
Ryzen 7 7700X	AMD	Raphael		32MB	8C / 16T	4.5GHz	5.4GHz	105W		DDR5	
Ryzen 9 7900	AMD	Raphael		64MB	12C / 24T	3.7GHz	5.4GHz	65W		DDR5	
Don't write "Test Items" under this line!!!											

Memory

Product Name	Vendor	Memory Type	Size	Chip Brand	Rank	Voltage	Data Transfer Rate	Error Correction	CAS Latency	Pins	Note
UDIMM											
Don't write "Test Items" under this line!!!											
AD5U48008G-B	ADATA	DDR5	8GB	Micron A	1Rx16	1.1v	4800MHz	NonECC			
AD5U480016G-DT	ADATA	DDR5	16GB	Micron A	1Rx8	1.1v	4800MHz	NonECC			
AU16GHB48CTBBGC	Apacer	DDR5	16GB	Micron A	1Rx8	1.1v	4800MHz	NonECC			
D32.31280S.001	Apacer	DDR5	16GB	SEC	1Rx8	1.1V	4800MHz	ECC			
CT8G48C40S8U5.C8B1	CRUCIAL	DDR5	8GB		1Rx8	1.1v	4800MHz	NonECC			
CT8G48C40U5.4AY	CRUCIAL	DDR5	8GB	Micron A	1Rx16	1.1v	4800MHz	NonECC			
CT8G48C40U5	CRUCIAL	DDR5	8GB		1Rx16	1.1v	4800MHz	NonECC			
CT16G48C40U5.8AW	CRUCIAL	DDR5	16GB	Micron A	1Rx8	1.1v	4800MHz	NonECC			
CT16G48C40D8U5.C1B1	CRUCIAL	DDR5	16GB		2RX8	1.1v	4800MHz	NonECC			
CT16G48C40U5	CRUCIAL	DDR5	16GB		1Rx8	1.1v	4800MHz	NonECC			
CT32G48C40U5	CRUCIAL	DDR5	32GB		2Rx8	1.1v	4800MHz	NonECC			
M5C0-AGS2LCVP-D33	innodisk	DDR5	16GB		1Rx8	1.1v	4800MHz	ECC			
M5C0-BGS2MCVP-D33	innodisk	DDR5	32GB		2Rx8	1.1v	4800MHz	ECC			
KTFGU5MA8-M	Kimtigo	DDR5	16GB	Micron A	1Rx8	1.1v	4800MHz	NonECC			
HLH2HK1-C28NEC-AKAG122	KINGMAX	DDR5	16GB	Micron	1Rx8	1.1v	4800MHz	NonECC			
KM-LD5-4800-16GS	KINGMAX	DDR5	16GB	Micron A	1Rx8	1.1v	4800MHz	NonECC			
KF548C38BBK2-16	Kingston	DDR5	8GB	Micron A	1Rx16	1.1v	4800MHz	NonECC			
9905792-022.A00G	Kingston	DDR5	8GB		1Rx8	1.1v	4800MHz	NonECC			
9905783-E06.XA0LF	Kingston	DDR5	16GB		1Rx8	1.1v	4800MHz	NonECC			
9905783-E16.XA0LF	Kingston	DDR5	16GB		1Rx8	1.1v	4800MHz	NonECC			
KVR48U40BS8K2-32	Kingston	DDR5	16GB	Micron A	1Rx8	1.1v	4800MHz	NonECC			
9270333	Kingston	DDR5	16GB			1.1v	4800MHz	NonECC			
KF548C38BBK2-32	Kingston	DDR5	16GB	Micron A	1Rx8	1.1v	4800MHz	NonECC			
KSM48E40BS8KM-16HM	Kingston	DDR5	16GB	Skhinix	1Rx8	1.1v	4800MHz	ECC			
KSM48E40BD8KM-32HM	Kingston	DDR5	32GB	Skhinix	2Rx8	1.1v	4800MHz	ECC			
KD58GU880-48G4000	KLEVV	DDR5	8GB	Hynix A	1Rx8	1.1v	4800MHz	NonECC			
KD5AGUA8M-48G4000	KLEVV	DDR5	16GB	Hynix	1Rx8	1.1v	4800MHz	NonECC			
PSD532G480041	PATRIOT	DDR5	8GB	Hynix	1Rx16	1.1v	4800MHz	NonECC			
PSD532G4800K	PATRIOT	DDR5	16GB	Hynix	1Rx8	1.1v	4800MHz	NonECC			
M5U16S68A48JJJ77-11	PNY	DDR5	16GB		1x16	1.1v	4800MHz	NonECC			
M323R4GA3BB0-CQK0D	Samsung	DDR5	32GB	Samsung	2Rx8	1.1v	4800MHz	NonECC			
9965800-003.XAOG	Skhynix	DDR5	16GB	Skhynix	1Rx8	1.1v	4800MHz	ECC			
SR6G7UD5385MB01	SMART	DDR5	48GB	Micron	3Rx8	1.1v	4800MHz	ECC			
TE16GFLEV1MH	TEAMGROUP	DDR5	16GB	SkHynix A-Die	1Rx8	1.1v	4800MHz	ECC			
TE32GFLEV1MH	TEAMGROUP	DDR5	32GB	SkHynix A-Die	2Rx8	1.1v	4800MHz	ECC			
TS4800ALE-16G	Transcend	DDR5	16GB	Samsung	1Rx8	1.1v	4800MHz	NonECC			
TS4800ALE-32G	Transcend	DDR5	32GB	Samsung	2Rx8	1.1v	4800MHz	NonECC			
MTC10C1084S1EC56BAZ BC	Micron	DDR5	16GB		2Rx8	1.1v	5600MHz	ECC			Restricted to 5200MHz
MTC20C2085S1EC56BAZ BC	Micron	DDR5	32GB		2Rx8	1.1v	5600MHz	ECC			Restricted to 5200MHz
TE16GFLEV2MH	TEAMGROUP	DDR5	16GB	SkHynix A-Die	1Rx8	1.1v	5600MHz	ECC			Restricted to 5200MHz
TE32GFLEV2MH	TEAMGROUP	DDR5	32GB	SkHynix A-Die	2Rx8	1.1v	5600MHz	ECC			Restricted to 5200MHz
Don't write "Test Items" under this line!!!											

SATA/SAS HDD

Product Name	Vendor	Type	Form Factor	Format	Capacity	Interface Speed	Series	Cache	RPM	Encrption	FW

SATA

Don't write "Test Items" under this line!!!										
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
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
MG08ADA800E	Toshiba	SATA	3.5"	512e	8TB	6Gb/s	MG08-D	256MB	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
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	Note
SATA							
Don't write "Test Items" under this line!!!							
MTFDDAK1T9TDS-1AW1ZABYY	Micron	SSD	2.5"	SATA	1.92TB	6Gb/s	5300 PRO Series
MTFDDAK3T8TDS-1AW1ZABYY	Micron	SSD	2.5"	SATA	3.84TB	6Gb/s	5300 PRO Series
SSB1K9GTLCW-D2-SME1720GBT	Phison	SSD	2.5"	SATA	1.92TB	6Gb/s	ESM1720 Series
MZ7L31T9HBNA-00A07	Samsung	SSD	2.5"	SATA	1.92TB	6Gb/s	PM897 Series
MZ7L33T8HBLT-00A07	Samsung	SSD	2.5"	SATA	3.84TB	6Gb/s	PM893 Series
MZ7L3480HCHQ-00A07	Samsung	SSD	2.5"	SATA	480GB	6Gb/s	PM893 Series
Don't write "Test Items" under this line!!!							

M.2

Product Name	Vendor	Type	Form Factor	Interface	Capacity	Interface Speed	Note
M.2							
Don't write "Test Items" under this line!!!							
MTFDKBA800TFS	Micron	M.2	2280	PCIe(NVMe)	800GB	PCIe Gen4 x4	7450 Max Series
MTFDKBA800TFC	Micron	M.2	2280	PCIe(NVMe)	800GB	PCIe Gen4 x4	7400 Max 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	RAID-on-Chip Controller	Host Bus Type	Internal Ports	Internal Connectors	Extrenal Ports	External Connectors	Data Transfer Rate	Note
Broadcom									
Don't write "Test Items" under this line!!!									
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	
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	
Don't write "Test Items" under this line!!!									
GIGABYTE									
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CSA4710 (SAS/SATA mode)	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	
Don't write "Test Items" under this line!!!									

LAN Card

Product Name	Vendor	Connector	System InterfaceType	# of Ports	Data Rate	Note
Broadcom						
Don't write "Test Items" under this line!!!						
BCM957414A4142CC	Broadcom	SFP28	PCIe Gen3 x8	Dual	25Gb/s per port	BCM57414 (P225P)
BCM957416A4160C	Broadcom	RJ-45	PCIe Gen3 x8	Dual	10Gb/s per port	BCM57416 (P210TP)
Don't write "Test Items" under this line!!!						
Chelsio						
Don't write "Test Items" under this line!!!						
T6225-SO-CR	Chelsio	SFP28	PCIe Gen3 x8	Dual	25Gb/s per port	Power 10w
Don't write "Test Items" under this line!!!						
GIGABYTE						

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CLN4222	GIGABYTE	RJ-45	PCIe Gen3 x4	Dual	10Gb/s per port	INTEL X550-AT2	
CLN4224	GIGABYTE	RJ-45	PCIe Gen3 x8	Quad	10Gb/s per port	INTEL X550-AT2	
CLN4751	GIGABYTE	QSFP+	PCIe Gen3 x8	Single	40Gb/s per port	INTEL XL710-BM1	
CLN4752	GIGABYTE	QSFP+	PCIe Gen3 x8	Dual	40Gb/s per port	INTEL XL710-BM2	
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	
CLN4D40	GIGABYTE	SFP28	PCIe Gen3 x8	Dual	25Gb/s per port	Broadcom BCM57414	
Don't write "Test Items" under this line!!!							
Intel							
Don't write "Test Items" under this line!!!							
E810-XXVDA4	Intel	SFP28	PCIe Gen4 x16	Quad	25Gb/s per port	Controller E810-CAM1	
X722-DA4	Intel	SFP+	PCIe Gen3 x8	Quad	10Gb/s per port		
XXV710-DA2	Intel	SFP28	PCIe Gen3 x8	Dual	25Gb/s per port		
Don't write "Test Items" under this line!!!							
NVIDIA							
Don't write "Test Items" under this line!!!							
MBF2H332A-AEEOT	NVIDIA	SFP56	PCIe Gen4 x8	Dual	25Gb/s per port	P-Series/ 2.5GHz	
MCX631102AN-ADAT	NVIDIA	SFP28	PCIe Gen4 x8	Dual	25Gb/s per port	Mellanox ConnectX®-6 Lx without Crypto	
Don't write "Test Items" under this line!!!							