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		DDR5-5200	
Ryzen 5 7600X	AMD	Raphael		32MB	6C / 12T	4.7GHz	5.3GHz	105W		DDR5-5200	
Ryzen 7 7700	AMD	Raphael		32MB	8C / 16T	3.8GHz	5.3GHz	65W		DDR5-5200	
Ryzen 7 7700X	AMD	Raphael		32MB	8C / 16T	4.5GHz	5.4GHz	105W		DDR5-5200	
Ryzen 7 7800X3D	AMD	Raphael		96MB	8C / 16T	4.2GHz	5.0GHz	120W		DDR5-5200	
Ryzen 9 7900	AMD	Raphael		64MB	12C / 24T	3.7GHz	5.4GHz	65W		DDR5-5200	
Ryzen 9 7900X	AMD	Raphael		64MB	12C / 24T	4.7GHz	5.6GHz	170W		DDR5-5200	
Ryzen 9 7900X3D	AMD	Raphael		128MB	12C / 24T	4.4GHz	5.6GHz	120W		DDR5-5200	
Ryzen 9 7950X	AMD	Raphael		64MB	16C / 32T	4.5GHz	5.7GHz	170W		DDR5-5200	
Ryzen 9 7950X3D	AMD	Raphael		128MB	16C / 32T	4.2GHz	5.7GHz	120W		DDR5-5200	
Don't write "Test Items" under this line!!!											

Memory

Product Name	Vendor	Memory Type	Size	Chip Brand	Rank	Voltage	Data Transfer Rate	Error Correction	Pins	Note	Note
DDR5 UDIMM											
Don't write "Test Items" under this line!!!											
AD5U48008G-DT	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			
CT8G48C40U5.4AY	CRUCIAL	DDR5	8GB	Micron A	1Rx16	1.1v	4800MHz	NonECC			
CT8G48C40U5	CRUCIAL	DDR5	8GB		1Rx16	1.1v	4800MHz	NonECC			
CT8G48C40S8U5.C8B1	CRUCIAL	DDR5	8GB		1Rx8	1.1v	4800MHz	NonECC			
CT16G48C40U5	CRUCIAL	DDR5	16GB		1Rx8	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			
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			
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			
KF556C40BBK2-16	Kingston	DDR5	8GB	Hynix M	1Rx16	1.1v	4800MHz	NonECC			
9905783-E16.XA0LF	Kingston	DDR5	16GB		1Rx8	1.1v	4800MHz	NonECC			
9905783-E06.XA0LF	Kingston	DDR5	16GB		1Rx8	1.1v	4800MHz	NonECC			
KVR48U40BS8K2-32	Kingston	DDR5	16GB	Micron A	1Rx8	1.1v	4800MHz	NonECC			
KSM48E40BS8KM-16HM	Kingston	DDR5	16GB	Skhinix	1Rx8	1.1v	4800MHz	ECC			
9965800-003.XA0G	Kingston	DDR5	16GB		1Rx8	1.1V	4800MHz	ECC			
KSM48E40BD8KM-32HM	Kingston	DDR5	32GB	Skhinix	2Rx8	1.1v	4800MHz	ECC			
KF548C38BBK2-64	Kingston	DDR5	32GB	Micron A	2Rx8	1.1v	4800MHz	NonECC			
KD5AGUA8M-48G4000	KLEVV	DDR5	16GB	Hynix	1Rx8	1.1v	4800MHz	NonECC			
MMPT2K16GD548C40T	OCPC	DDR5	8GB	Micron A	1Rx16	1.1v	4800MHz	NonECC			
PSD532G480041	PATRIOT	DDR5	8GB	Hynix	1Rx16	1.1v	4800MHz	NonECC			
PSD532G4800K	PATRIOT	DDR5	16GB	Hynix	1Rx8	1.1v	4800MHz	NonECC			
M323R1GB4BB0-CQKPN	Samsung	DDR5	8GB	Samsung	1Rx16	1.1v	4800MHz	NonECC			
M323R4GA3BB0-CQK0D	Samsung	DDR5	32GB	Samsung	2Rx8	1.1v	4800MHz	NonECC			
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			
AX5U5200C3816G-DCLARBK	ADATA	DDR5	16GB	Spectek	1Rx8	1.25v	5200MHz	NonECC			
AX5U5200C3816G-DCCARGY	ADATA	DDR5	16GB	Spectek	1Rx8	1.25v	5200MHz	NonECC			
ARS32G52D5	AORUS	DDR5	16GB	Spectek	1Rx8	1.25v	5200MHz	NonECC			
AH5U32G52C502MBAA-2	Apacer	DDR5	16GB	Micron A	1Rx8	1.25v	5200MHz	NonECC			
CMT32GX5M2B5200C38 ver 3.43	CORSAIR	DDR5	16GB	Micron A	1Rx8	1.25v	5200MHz	NonECC			

Product Name	Vendor	Type	Capacity	IC	Rank	Voltage	Speed	ECC			Note
CMT32GX5M2B5200C36FE ver 3.43	CORSAIR	DDR5	16GB	Micron A	1Rx8	1.25v	5200MHz	NonECC			
CMT32GX5M2B5200C40 ver 3.43.01	CORSAIR	DDR5	16GB	Micron A	1Rx8	1.25v	5200MHz	NonECC			
CMK32GX5M2B5200C38 ver 3.43	CORSAIR	DDR5	16GB	Micron A	1Rx8	1.25v	5200MHz	NonECC			
CMT32GX5M2X5200C38 ver 3.43	CORSAIR	DDR5	16GB	Micron A	1Rx8	1.25v	5200MHz	NonECC			
CMK32GX5M2X5200C38 ver 3.43	CORSAIR	DDR5	16GB	Micron A	1Rx8	1.25v	5200MHz	NonECC			
CMT64GX5M2X5200C38 ver 3.43	CORSAIR	DDR5	32GB	Micron A	2Rx8	1.25v	5200MHz	NonECC			
CMT64GX5M2B5200C40 ver 3.43	CORSAIR	DDR5	32GB	Micron A	2Rx8	1.25v	5200MHz	NonECC			
F5-5200J3636C16GX2-TZ5RS	G.SKILL	DDR5	16GB	Samsung	1Rx8	1.25v	5200MHz	NonECC			
GOSG532GB5200C34ADC	GEIL	DDR5	16GB	Micron A	1Rx8	1.25v	5200MHz	NonECC			
KM-LD5-5200-16GS	KINGMAX	DDR5	16GB	Micron A	1Rx8	1.1v	5200MHz	NonECC			
KF552C40BBK2-16	Kingston	DDR5	8GB	Micron A	1Rx16	1.25v	5200MHz	NonECC			
KF552C40BBAK2-16	Kingston	DDR5	8GB	Micron A	1Rx16	1.25v	5200MHz	NonECC			
KF552C40BBK2-32	Kingston	DDR5	16GB	Micron A	1Rx8	1.25v	5200MHz	NonECC			
KF552C40BBAK2-32	Kingston	DDR5	16GB	Micron A	1Rx8	1.25v	5200MHz	NonECC			
KF552C40BBAK2-64	Kingston	DDR5	32GB	Micron A	2Rx8	1.25v	5200MHz	NonECC			
KF552C40BBK2-64	Kingston	DDR5	32GB	Hynix M	2Rx8	1.25v	5200MHz	NonECC			
ND5U1652361BRSDE	OLOY	DDR5	16GB	Micron	1Rx8	1.25v	5200MHz	NonECC			
FLBD532G5200HC38DC01	TEAMGROUP	DDR5	16GB	Micron A	1Rx8	1.1v	5200MHz	NonECC			
FLBD532G5200HC40CDC01	TEAMGROUP	DDR5	16GB	Micron A	1Rx8	1.1v	5200MHz	NonECC			
FLRD564G5200HC40CDC01	TEAMGROUP	DDR5	32GB	Micron A	2Rx8	1.1v	5200MHz	NonECC			
RG30D516GX2-5200C38A	Thermaltake	DDR5	16GB	Hynix	1Rx8	1.25v	5200MHz	NonECC			
RA50D516GX2-5200C38A	Thermaltake	DDR5	16GB	Hynix	1Rx8	1.25v	5200MHz	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!!!											

HDD

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

SATA HDD

Don't write "Test Items" under this line!!!											
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	
WUH722020BLE6L4	WD	SATA	3.5"	512e	20TB	6Gb/s	Ultrastar DC HC560	512MB	7200	N/A	
Don't write "Test Items" under this line!!!											

NVMe/SATA M.2

Product Name	Vendor	Type	Form Factor	Interface	Capacity	Interface Speed	Note

NVMe 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 800GB 7400 Max Series	Micron	M.2	2280	PCIe(NVMe)	800GB	PCIe Gen4 x4	
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
CA6-8D2048 CA6 Series	SSSTC	M.2	2280	PCIe(NVMe)	2TB	PCIe Gen4 x4	
MTFDKBA800TFS 800GB 7450 Max Series	Micron	M.2	2280MHz	PCIe(NVMe)	800 GB	PCIe Gen4 x4	
Don't write "Test Items" under this line!!!							

PCIe SSD

Product Name	Vendor	Type	Form Factor	Interface	Capacity	Interface Speed	Note

PCIe

Don't write "Test Items" under this line!!!							
Samsung PM1725b MZPLL3T2HAJQ PCIe Gen3 x8 3.2TB	Samsung	PCIe	PCI-E 3.0	PCIe(NVMe)	3.2TB	PCIe Gen3 x8	
SSDPEDKX040T701 P4500 Series PCIe Gen3 x4 4TB	Intel	PCIe	PCI-E 3.0	PCIe(NVMe)	4TB	PCIe Gen3 x4	
Don't write "Test Items" under this line!!!							

Storage Card

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Product Name	Vendor	RAID-on-Chip Controller	Host Bus Type	Internal Ports	Internal Connectors	Extreal Ports	External Connectors	Data Transfer Rate	Note
Broadcom									
Don't write "Test Items" under this line!!!									
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 9600W-16e Tri-Mode Storage Adapter	Broadcom	SAS4016W (Avenger IOC)	PCIe Gen4 x16	-	-	16	4 SFF-8644	Up to 24Gb/s per port	
eHBA 9620-16i Tri-Mode Storage Adapter (NVMe)	Broadcom	SAS4106 (Avenger IOC)	PCIe Gen4 x8	16	2 SlimSAS SFF-8654	-	-	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 9500-8e Tri-Mode Storage Adapter	Broadcom	SAS3808	PCIe Gen4 x8	-	-	8	2 SFF-8644	Up to 12Gb/s per port	
MegaRAID 9560-16i Tri-Mode (NVMe)	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!!!									

LAN Cards

Product Name	Vendor	Connector	System InterfaceType	# of Ports	Data Rate	Note
Broadcom						
Don't write "Test Items" under this line!!!						
BCM957416A4160C	Broadcom	RJ-45	PCIe Gen3 x8	Dual	10Gb/s per port	BCM57416 (P210TP)
Don't write "Test Items" under this line!!!						
Intel						
Don't write "Test Items" under this line!!!						
Intel® Ethernet Network Adapter X722-DA4	Intel	SFP+	PCIe Gen3 x8	Quad	10Gb/s per port	
X722-DA4	Intel	SFP+	PCIe Gen3 x8	Quad	10Gb/s per port	
Intel® Ethernet Network Adapter E810-XXVDA4	Intel	SFP28	PCIe Gen4 x16	Quad	25Gb/s per port	
E810-XXVDA4	Intel	SFP28	PCIe Gen4 x16	Quad	25Gb/s per port	Controller E810-CAM1
Don't write "Test Items" under this line!!!						
NVIDIA						
Don't write "Test Items" under this line!!!						
MCX631102AN-ADAT	NVIDIA	SFP28	PCIe Gen4 x8	Dual	25Gb/s per port	Mellanox ConnectX®-6 Lx without Crypto
MCX4121A-ACAT	NVIDIA	SFP28	PCIe Gen4 x8	Dual	25Gb/s per port	Mellanox ConnectX-4 Lx EN
MCX516A-CCAT	NVIDIA	QSFP28	PCIe Gen3 x16	Dual	100Gb/s per port	Mellanox ConnectX-5 EN
MCX653105A-ECAT	NVIDIA	QSFP56	PCIe Gen4 x16	Single	100Gb/s per port	Mellanox ConnectX-6 Ex VPI (InfiniBand)
MCX623106AN-CDAT	NVIDIA	QSFP56	PCIe Gen4 x16	Dual	100Gb/s per port	Mellanox ConnectX®-6 Dx No Crypto, No Secure Boot
MCX613106A-VDAT	NVIDIA	QSFP56	PCIe Gen4 x16	Dual	200Gb/s per port	Mellanox ConnectX-6 EN
MCX683105AN-HDAT	NVIDIA	QSFP	PCIe Gen4 x16	Single	200Gb/s per port	Mellanox ConnectX-6 DE VPI (InfiniBand)
Don't write "Test Items" under this line!!!						

M.2 PCIe Expansion Card

Product Name	Vendor	Type	Form Factor	Interface	Max Channels	Interface Speed	Note
M.2 Expansion Card							
Don't write "Test Items" under this line!!!							
CMT3060	Gigabyte	PCIe (Broadcom SAS3816)	2280	PCIe(NVMe)	4	PCIe Gen4 x8	-
CMT3160	Gigabyte	PCIe (Broadcom SAS3816)	22110	PCIe(NVMe)	4	PCIe Gen4 x8	-
Don't write "Test Items" under this line!!!							

USB

Product Name	Vendor	Type	Spec	Capacity	Note
USB 3.1 Type A					
Don't write "Test Items" under this line!!!					
S1-DS3-Plus	CyberSLIM	Disk Dock	USB 3.1 Type A	USB 3.2 Gen 1x1	
MB981U3-1S	ICYDOCK	Disk Dock	USB 3.1 Type A	USB 3.2 Gen 1x1	
NA317U+	ineo	Disk Dock	USB 3.1 Type A	USB 3.2 Gen 1x1	
SST-TS13	Silver Stone	Disk Dock	USB 3.1 Type A	USB 3.2 Gen 1x1	
CANVIO BASIC	Toshiba	HDD	USB 3.1 Type A	USB 3.2 Gen 1x1	
Don't write "Test Items" under this line!!!					

PSU

Product Name	Vendor	Input Voltage	Wattage	Application	Efficiency	Note
PSU						
Don't write "Test Items" under this line!!!						

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NE750G M	Antec	100~240Vac	750W	Desktop	NA	
V1300 Platinum	Cooler Master	100~240Vac	1300W	Desktop	NA	
RM1000X	CORSAIR	100~240Vac	1000W	Desktop	NA	
PRIME GX-1300	SeaSonic	100~240Vac	1300W	Desktop	NA	
ST1200-PTS	SilverStone	100~240Vac	1000W	Desktop	NA	
SX1000 Platinum	SilverStone	100~240Vac	1000W	Desktop	NA	
Leadex Titanium	SuperFlower	100~240Vac	1000W	Desktop	NA	
PS-TPD-0850FNFAPT-1	Toughpower	100~240Vac	850W	Desktop	NA	
Don't write "Test Items" under this line!!!						