

Giga Computing Technology Co., Ltd.

Please contact FAE suppo	support for below orange bloc						
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Please contact FAE support f			1	Am	pere CPU for Altra	and Altra max					
Product Name	Core Name	Q-Spec	Stepping	Cache	System Bus	# of Cores	Processor Base Frequency	Max Frequency	TDP	Memory Types	Note
Ampere Altra Max CPU M128-30	Altra Max				Ampere C		3.0 GHz	3.0 GHz	250	DDR4-3200	
Ampere Altra Max CPU M128-28	Altra Max					128	2.8 GHz	2.8 GHz	230	DDR4-3200	
Ampere Altra Max CPU M128-26	Altra Max					128	2.6 GHz	2.6 GHz	190	DDR4-3200	
Ampere Altra Max CPU M112-30 Ampere Altra Max CPU M96-30	Altra Max Altra Max					96	3.0 GHz 3.0 GHz	3.0 GHz 3.0 GHz	240	DDR4-3200 DDR4-3200	
Ampere Altra Max CPU M96-28	Altra Max					96	2.8 GHz	2.8 GHz	190	DDR4-3200	
Ampere Altra CPU Q80-33	Altra					80	3.25 GHz	3.25 GHz	250	DDR4-3200	max : 3250 MHz
Ampere Altra CPU Q80-30	Altra					80	3.0 GHz		210	DDR4-3200	
Ampere Altra CPU Q80-28 Ampere Altra CPU Q80-26	Altra Altra					80	2.8 GHz 2.6 GHz	2.8 GHz 2.6 GHz	175 150	DDR4-3200 DDR4-3200	
Ampere Altra CPU Q72-30	Altra					72	3.0 GHz	3.0 GHz	195	DDR4-3200	
Ampere Altra CPU Q64-33	Altra					64	3.2 GHz	3.2 GHz	220	DDR4-3200	max : 3250 MHz
Ampere Altra CPU Q64-30 Ampere Altra CPU Q64-26	Altra Altra					64	3.0 GHz 2.6 GHz	3.0 GHz 2.6 GHz	180 125	DDR4-3200 DDR4-3200	
Ampere Altra CPU Q64-22	Altra					64	2.2 GHz	2.2 GHz	95	DDR4-3200	
Ampere Altra CPU Q32-17	Altra					32	1.7 GHz	1.7 GHz	65	DDR4-3200	
Product Name	Memory Type	Mer Module Supplier	Size	Chip Brand	Rank	Voltage	Data Transfer Rate	Error	CAS	Pins	Note
1 Todac (Name	Wellioly Type	Wodale Supplier	Size	Only Brand	RDIMN		Data Hansiel Hate	Correction	Latency	1 1113	14016
							l	ECC			
MTA36ASF4G72PZ-3G2E2	DDR4	Micron	16GB	Micron-Rambus	2Rx4	1.2v	3200MHz	Registered ECC	24	288-pin	
M393A4G43AB3-CWE	DDR4	Samsung	32GB	Samsung-IDT	2Rx8	1.2v	3200MHz	Registered ECC	22	288-pin	
M393A2K40CB2-CTD6Q	DDR4	Samsung	16GB	Samsung-Montage	1Rx4	1.2v	2666MHz	Registered	19	288-pin	
M393A8K40B22-CWD6Q	DDR4	Samsung	64GB	Samsung	2S2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin	
M393A8G40MB2-CTD7Q	DDR4	Samsung	64GB	Samsung-IDT	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin	
CT32G4RFD4266.36FD1	DDR4	CRUCIAL	32GB	Micron	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin	
CT32G4RFD4266-2G6D1.001	DDR4	CRUCIAL	32GB	Micron	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin	
CT32G4RFD4266-2G6H1.001	DDR4	CRUCIAL	32GB	Micron	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin	
HMA84GR7AFR4N-VKT3	DDR4	SKhynix	32GB	Skhynix-Montage	2Rx4	1.2v	2666MHz	ECC	19	288-pin	
M393A2K43DB2-CVFBQ	DDR4	Samsung	16GB	Samsung-IDT	2Rx8	1.2v	2933MHz	Registered ECC	21	288-pin	
M393A4K40DB2-CVFBQ	DDR4	Samsung	32GB	Samsung-IDT	2Rx4	1.2v	2933MHz	ECC	21	288-pin	
M393A8G40AB2-CVFBY	DDR4		64GB	-	2Rx4	1.2v	2933MHz	negistered	21	288-pin	
		Samsung		Samsung-IDT				Registered ECC			
M393A2K43EB3-CWEBQ	DDR4	Samsung	16GB	Samsung-IDT	2Rx8	1.2v	3200MHz	Registered	22	288-pin	
CT16G4RFD8293.18FE1	DDR4	CRUCIAL	16GB	Micron	2Rx8	1.2v	2933MHz	Registered	21	288-pin	
MTA9ASF2G72PZ-2G9E1UI	DDR4	Micron	16GB	Micron-Rambus	1Rx8	1.2v	2933MHz	Registered	21	288-pin	
CT32G4RFD4293-2G9E2.001	DDR4	CRUCIAL	32GB	Micron	2Rx4	1.2v	2933MHz	Registered	21	288-pin	
MTA36ASF4G72PZ-2G9E2TG	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	negistered	21	288-pin	
MTA18ASF4G72PDZ-3G2F1UI	DDR4	Micron	32GB	Micron-Rambus	2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin	
MTA36ASF8G72PZ-2G9E1TI	DDR4	Micron	64GB	Micron-Montage	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin	
HMA82GR7CJR8N-WM T4	DDR4	SKhynix	16GB	SKhynix-Montage	2Rx8	1.2v	2933MHz	ECC	21	288-pin	
HMA84GR7CJR4N-WM TG	DDR4	SKhynix	32GB	SKhynix-IDT	2Rx4	1.2v	2933MHz	ECC	21	288-pin	
HMAA8GR7MJR4N-WM T4	DDR4	SKhynix	64GB	SKhynix-Montage	2Rx4	1.2v	2933MHz	ECC	21	288-pin	
KSM29RD8/16HDR	DDR4	Kingston	16GB	SKhynix-Rambus	2Rx8	1.2v	2933MHz	Registered ECC	21	288-pin	
KSM29RD4/32HDR	DDR4	Kingston	32GB	SKhynix-Rambus	2Rx4	1.2v	2933MHz	Registered ECC	21	288-pin	
NT16GA72D8PBX3P-IX	DDR4	-	16GB	- 1	2Rx8	1.2v	2933MHz	ECC	21	288-pin	
		Nanya		Nanya-IDT Nanya-Montage or				Registered ECC			
NT32GA72D4NBX3P-IX	DDR4	Nanya	32GB	IDT	2Rx4	1.2v	2933MHz	Registered	21	288-pin	
HMA82GR7DJR8N-XN T8	DDR4	SKhynix	16GB		2Rx8	1.2v	3200MHz	Registered	22	288-pin	
HMA82GR7DJR8N-XN TG	DDR4	SKhynix	16GB	SKhynix -IDT	2Rx8	1.2v	3200MHz	Registered	22	288-pin	
HMA84GR7DJR4N-XN T4	DDR4	SKhynix	32GB	SKhynix-Montage	2Rx4	1.2v	3200MHz	negistered	22	288-pin	
HMAA8GR7AJR4N-XN TG	DDR4	SKhynix	64GB	SKhynix-IDT	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
CT16G4RFD832A-3G2E1.001	DDR4	Crucial	16GB	Micron-Rambus	2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin	
MTA9ASF2G72PZ-3G2E1TI	DDR4	Micron	16GB	Micron-Montage	1Rx8	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	22	288-pin	
MTA36ASF4G72PZ-3G2E7VI	DDR4	Micron	32GB	Micron-IDT	2Rx4	1.2v	3200MHz	ECC	22	288-pin	
MTA36ASF8G72PZ-3G2E1VI	DDR4	Micron	64GB	Micron-IDT	2Rx4	1.2v	3200MHz	ECC ECC	22	288-pin	
MTA18ASF4G72PDZ-3G2E1TI	DDR4	Micron	32GB	Micron	2Rx8	1.2v	3200MHz	Registered ECC	22	288-pin	
	DDR4		16GB		2Rx8	1.2v	3200MHz	Registered ECC	22		
MTA18ASF2G72PDZ-3G2J3		Micron		Micron				Registered		288-pin	
MTA18ASF4G72PZ-3G2F1TI	DDR4	Micron	32GB	Micron	1Rx4	1.2v	3200MHz	Registered	22	288-pin	
M393A2K43DB3-CWEBQ	DDR4	Samsung	16GB	Samsung-IDT	2Rx8	1.2v	3200MHz	Registered	22	288-pin	

M393A2K40DB3-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-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	22	288-pin	
M393A8G40AB2-CWECO	DDR4	Samsung	64GB	Samsung-Montage	2Bx4	1.2v	3200MHz	Registered ECC	22	288-pin	
M393AAG40M32-CAEBQ	DDR4		128GB				3200MHz	Registered ECC			
		Samsung		Samsung	2S2Rx4	1.2v		Registered ECC	22	288-pin	
M393A4K40EB3-CWE	DDR4	Samsung	32GB	Samsung	2Rx4	1.2v	3200MHz	Registered ECC	22	288-pin	
M393A4G43BB4-CWEBY	DDR4	Samsung	32GB	Samsung-IDT	2Rx4	1.2v	3200MHz	Registered	22	288-pin	
M393A8G40BB4-CWE	DDR4	Samsung	64GB	Samsung	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	
KSM32RD4/32HDR	DDR4	Kingston	32GB	SKhynix-Rambus	2Rx4	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	22	288-pin	
MTA36ASF4G72PZ-3G2R1UI	DDR4	Micron	32GB	Micron-Rambus	1Rx4	1.2v	3200MHz	Registered ECC	22	288-pin	
WITAGOAGI 4G72F2-3G2NTOI	DDN4		 				k if the model suppor	Registered	22	200-piii	
Product Name	Туре	Vendor	Form Factor			Interface Speed	Series	Cache	RPM	Encryption	FW
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	PCle Gen3 x4					
SSDPE2KX010T801 P4510 Series	U.2	Intel	2.5"		1TB		Intel SSD 2.5" DC P4510				
SSDPE2KX040T8 P4510 Series	U.2	Intel	2.5"		4TB		Intel® SSD DC P4510Ser	es, (4.0TB, 2.5in	PCIe* 3.1x4	3D2, TLC)	
MZWLL3T2HAJQ PM1725b Series	U.2	Samsung	2.5"		3.2TB	PCIe Gen3 x4					
MZQLW1T9HMJP PM963 Series	U.2	Samsung	2.5"		1.92TB	PCIe Gen3 x4					
MZ-QLB1T9N 983 DCT Series	U.2	Samsung	2.5"		1.92TB	PCIe Gen3 x4					HDD speed is based on
MZWLJ3T8HBLS PM1733 Series MZQLB1T9HAJR-00007 Samsung Pm983	U.2	Samsung Samsung	2.5"		3.84TB 1.92TB	PCIe Gen4 x4 PCIe Gen3 x4					Model.
MZQLB3T8HALS-00007 Samsung Pm983		Samsung	2.5"		3.84TB	PCIe Gen3 x4 PCIe Gen3 x4					
MZQL2960HCJR-00A07 Samsung Pm9A3		Samsung	2.5"		960GB	PCle Gen4 x4					HDD speed is based on
MZQL23T8HCJS-00A07 Samsung Pm9A3		Samsung	2.5"		3.84TB	PCIe Gen4 x4					Model. HDD speed is based on
MZQL27T6HBLA-00A07 Samsung Pm9A3		Samsung	2.5"		7.68TB	PCIe Gen4 x4					Model. HDD speed is based on Model
MTFDHBE1T6TDG 7300 Max Series	U.2	Micron	2.5"	SFF8639(NVMe)	1.6TB	PCIe Gen3 x4	MTFDHBE1T6TDG-1AW1	ZABYY			Widdel.
KCD51LUG960G CD5 Series	U.2	KIOXIA	2.5"	SFF8639(NVMe)	960GB	PCIe Gen3 x4					
PS5012-E12	U.2	PHISON	2.5"	SFF8639(NVMe)	1.92TB	PCIe Gen3 x4					
MZ-QLB960NE Samsung 883	U.2	Samsung	2.5"	SFF8639(NVMe)	960GB	PCIe Gen3 x4					
KCM61RUL3T84 CM6-R Series	U.3	KIOXIA	2.5"	SFF8639(NVMe)	3.84TB	PCIe Gen4 x4					HDD speed is based on Model.
MTFDHBG3T8TDF 3840GB 7300 Pro Series	M.2	Micron	22110	PCIe(NVMe)	3840GB	PCIe Gen3 x4					
Phison PS5016-E16 & PS5019-E19	M.2	Gigabyte	2280	PCIe(NVMe)	1TB	PCIe Gen4 x4					
MZ1LB1T9HALS-00007 Samsung 983	M.2	Samsung	22110	PCIe(NVMe)	1.92TB	PCIe Gen3 x4					
MZ1LB960HAJQ-00007 Samsung Pm983		Samsung	22110	PCIe(NVMe)		PCIe Gen3 x4					
MZ1L21T9HCLS-00A07 Samsung Pm9A3 MZ1L23T8HBLA-00A07 Samsung Pm9A3		Samsung	22110	PCIe(NVMe) PCIe(NVMe)	1.92TB 3.84TB	PCIe Gen4 x4 PCIe Gen4 x4					
	M.2	Samsung Samsung	22110	PCIe(NVMe)	3.84TB	PCIe Gen3 x4					
				()	M.2 Expansion						
Product Name	Туре	Vendor	Form Factor	Interface	Max. Channels	Interface Speed	Note				
CMT4032	PCle	Gigabyte	22110	PCIe(NVMe)	2	PCIe Gen3 x8	-				
CMT4034	PCle	Gigabyte	22110	PCIe(NVMe)	4	PCle Gen3 x16	-				
					RAID Ca	rds					
Product Name	RAID-on-Chip Controller	Host Bus Type	Internal Ports	Internal Connectors	External Ports	External Connectors	Data Transfer Rates	Note		Support type	RAID
					GIGABYTE Stor						
CRA4448	LSI SAS 3108	PCIe Gen3 x8	8	2 x Mini-SAS HD	-	-	Up to 12Gb/s per port			SATA / SAS	Hardware RAID (PCIE 5 not support)
				SFF-8643							Firmware need support ARM HII
CRA3338	LSI SAS 3008	PCIe Gen3 x8	8	2 x Mini-SAS HD SFF-8643	-	-	Up to 12Gb/s per port			SATA / SAS	Software RAID
CRS2021	Asmedia	PCIe (Gen3x2)*2	8	2 x4 SlimSAS SFF- 8654	-		Up to 12Gb/s per port			SATA	NO RAID Function
	LSI RAID Controller Cards										
MegaRAID SAS 9361-8i	LSISAS3108 dual core RAID on Chip (ROC)	PCIe Gen3 x8	8	2 x Mini-SAS HD SFF-8643	-	-	Up to 12Gb/s per port			SATA / SAS	Hardware RAID
MegaRAID SAS 9460-8i	SAS3508 dual- core RAID-on- Chip (ROC)	PCle Gen3 x8	8	2 x Mini-SAS HD SFF-8643		-	Up to 12Gb/s per port			SATA / SAS	Hardware RAID
MegaRAID 9560-16i	SAS3916 Tri- Mode RAID-on- Chip (ROC)	PCle Gen4 x8	16	2 x8 SlimSAS SFF- 8654		-	Up to 12Gb/s per port			SATA / SAS / U.2	Hardware RAID R272-P30-00 R152-P30-00 Check SATA / SAS function * U.2:Please make sure that
											BPB supports Tri-Mode

MegaRAID 9560-8i	SAS3908 Tri- Mode RAID-on-	PCle Gen4 x8	8	1 x8 SlimSAS SFF- 8654	-		Up to 12Gb/s per port		SATA / SAS / U.2	Hardware RAID G242-P31-00 Check SATA / SAS function Firmware package : 52.21.0-
	Chip (ROC)									U.2: Please make sure that BPB supports Tri-Mode
					LSI Host Bus Adap	oters (HBAs)				DED Supports TIT-Wood
LSI SAS 9500-8i	SAS3808	PCIe Gen4 x8	8	1 x8 SlimSAS SFF- 8654	-	-	Up to 12Gb/s per port		SATA / SAS / U.2	NO RAID Function U.2: Please make sure that BPB supports Tri-Mode
LSI SAS 9305-16i	SAS3224	PCIe Gen3 x8	16	6 Mini-SAS HD SFF8643		-	Up to 12Gb/s per port		SATA / SAS	NO RAID Function
LSI SAS 9305-24i	SAS3224	PCIe Gen3 x8	24	6 Mini-SAS HD SFF8643	-	-	Up to 12Gb/s per port		SATA / SAS	NO RAID Function
Microsemi Adaptec HBA 1100-16i	Adaptec HBA 1100-16i	PCIe Gen3 x8	16	6 Mini-SAS HD SFF8643	-	-	Up to 12Gb/s per port		SATA / SAS	NO RAID Function
Microsemi Adaptec 2100-8i	SmartHBA 2100	PCIe Gen3 x8	8	6 Mini-SAS HD SFF8643	-	-	Up to 12Gb/s per port		SATA / SAS	Software RAID
					LAN Car					
Product Name	Connector	System Inter	face Type	# of Ports	Data GIGABYTE LA	N Cardo	Note			
						IN Cards				
CLN4312	RJ-45	PCIe Gen2 x4		Dual	1Gb/s per port		Intel® I350-AM2			
CLN4C42	SFP28	PCle Gen3 x16		Dual	25Gb/s per port		Mellanox ConnectX-4	Need update ARM-HII Firmware Firmware 14.25.17 (UEFI)		
CLN4C44	SFP28	PCle Gen3 x16		Quad	25Gb/s per port Mellanox ConnectX-4				Need update ARM-HII Firmware only for slot 4 or 6. Need to set BIOS x4+x4+x4+x4 Firmware 14.25.17 (UEFI)	
CLN4314	RJ-45	PCIe Gen2 x4		Quad	1Gb/s per port		INTEL i350-AM4	Test SKU: R1152-P32-00 (PCIE		
CLN4D40	SFP28	PCIe Gen3 x8		Dual	25Gb/s per port Bro		Broadcom BCM57414	Firmware version: 224.0.158.0/pkg 224.1.102.0		
CLN4M34	SFP28	PCIe Gen3 x16		Quad	10Gb/s per port		Melianox ConnectX-4 Lx			Firmware version: 14.32.10.10 / 14.25.17
		l			Mellanox Cor	nnectX	<u> </u>			
MCX4121A-ACAT	SFP28	PCIe Gen3 x8		Dual	25Gb/s per port		Mellanox ConnectX-4 Lx I	EN		UEFI ARM Disabled
MCX621102AN-ADAT	SFP28	PCIe Gen4 x8		Dual	25Gb/s per port		Mellanox ConnectX-6 Dx EN			
MCX623105AN-CDAT	QSFP56	PCIe Gen4 x16		Single	100Gb/s per port		Mellanox ConnectX®-6 Dx No Crypto, No Secure Boot			
MCX623106AN-CDAT	QSFP56	PCIe Gen4 x16		Dual	100Gb/s per port		Mellanox ConnectX®-6 D	x No Crypto, No Secure Boot		
MCX623106AC-CDAT	QSFP56	PCIe Gen4 x16		Dual	100Gb/s per port		Mellanox ConnectX®-6 D	x With Crypto, With Secure Be	0	
					Mellanox VPI Adapter Cards					
MCX653106A-HDAT	QSFP56	PCIe Gen4 x16		Dual	200Gb/s per port		Mellanox ConnectX-6 Ex VPI (InfiniBand)			
MCX653105A-HDAT	QSFP56	PCIe Gen4 x16					Mellanox ConnectX-6 Ex			
MCX653105A-ECAT	QSFP56	PCIe Gen4 x16		Single			Mellanox ConnectX-6 Ex			
MCX456A-ECAT	QSFP28	PCIe Gen3 x16		Dual	100Gb/s per port		Mellanox ConnectX-4 VPI			
MCX354A-FCBT	QSFP	PCIe Gen3 x8		Dual	FDR and 40/56Gb	E	Mellanox ConnectX®-3 V	PI		
				Mella	nox NVIDIA BlueF	ield-2 DPU Cards				
MBF2M345A-HESOT	QSFP56	PCIe Gen4 x16		Single	200Gb/s per port		BlueField-2 DPU 200GbE			Test SKU:MP32-AR2 PCie 4 / PCie 6
					Broadcom (Cards				
BCM957414A4142CC	SFP28	PCIe Gen3 x8		Dual	25Gb/s per port		BCM57414			Firmware version: 223.0.161.0/pkg 223.1.96.0
BCM957504-P425G	SFP28	PCIe Gen4 x16		Quad	25Gb/s per port USB Device		BCM57504			Firmware version: 225.0.144.0/pkg 225.1.95.0
Product Name Type Vendor Capacity Note										
PURE CLASSIC X176B1FWBO75	HDD	Gigabyte	500G		USB 3.	0				
GoFlex STAA500305	HDD	Gigabyte Seagate	500G 500G							
TOSHIBA CANVIO BASIC	HDD	Toshiba	500G							
NU EBC113 NU ESW863 8X SLIM	Blue-ray DVD	NU NU								
Verico Evolution Lite S 16GB	Flash	Verico	16G							
NA317U+ S1-DS3-Plus	Device Device	ineo CyberSLIM								
MB981U3-1S	Device	ICYDOCK								
i310-SB3(6G)	Device	STARDOM								