Please contact FAE support for below orang

Ampere CPU

Product Name	Code Name	Q-spec.	Stepping	Cache	System Bus	# of Cores	Processor Base Freq	Max Frequency	TDP	Memory Types
Ampere Altra Max CPU M128-30	Altra Max				25 GT/s	128	3.0 GHz	3.0 GHz	250	DDR4-3200
Ampere Altra Max CPU M128-28	Altra Max				25 GT/s	128	2.8 GHz	2.8 GHz	230	DDR4-3200
Ampere Altra Max CPU M128-26	Altra Max				25 GT/s	128	2.6 GHz	2.6 GHz	190	DDR4-3200
Ampere Altra Max CPU M112-30	Altra Max				25 GT/s	112	3.0 GHz	3.0 GHz	240	DDR4-3200
Ampere Altra Max CPU M96-30	Altra Max				25 GT/s	96	3.0 GHz	3.0 GHz	220	DDR4-3200
Ampere Altra Max CPU M96-28	Altra Max				25 GT/s	96	2.8 GHz	2.8 GHz	190	DDR4-3200

Don´t write "Test Items" under this line!!!

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
DDR4 RDIMM										
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
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
HMA82GR7DJR8N-XN T8	DDR4	SKhynix	16GB	SKhynix-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-3G2R1UI	DDR4	Micron	32GB	Micron-Rambus	2Rx4	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
MTA36ASF8G72PZ-3G2F1VI	DDR4	Micron	64GB	Micron-IDT	2Rx4	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
M393A4K40DB3-CWEGY	DDR4	Samsung	32GB	Samsung-Rambus	1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
M393A4K40EB3-CWE	DDR4	Samsung	32GB	Samsung-Rambus	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
KSM32RD8/16MRR	DDR4	Kingston	16GB	Micron-Rambus	2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin
KSM32RS4/32MER	DDR4	Kingston	32GB	Micron-Rambus	1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin

Don´t write "Test Items" under this line!!!

HDD / U.2 / M.2 (SATS/ SAS HDD may need RAID Card support and please check if the model support NVMe)

Product Name	Type	Vendor	Form Factor	Format	Capacity	Interface Speed	Series	Cache	RPM	Encryption
SATA 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
ST14000NM0018	SATA	Seagate	3.5"	512e	14TB	6Gb/s	Exos X14 (Enterprise Capacity)	256MB	7200	
ST16000NM001G	SATA	Seagate	3.5"	512e/4Kn	16TB	6Gb/s	EXOS X16	256MB	7200	
ST18000NM000J	SATA	Seagate	3.5"	512e/4Kn	18TB	6Gb/s	EXOS X18	256MB	7200	
ST20000NM007D	SATA	Seagate	3.5"	512e/4Kn	20TB	6Gb/s	EXOS X20	256MB	7200	
MG06ACA800E	SATA	Toshib	3.5"	512e	8TB	6Gb/s		256MB	7200	
WUH721818ALE6L4	SATA	WD	3.5"	512e	18TB	6Gb/s	Ultrastar DC HC550	512MB	7200	

Don´t write "Test Items" under this line!!!

SATA SSD										
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				
MZ7LH960HAJR-00005 PM883 Series	SSD	Samsung	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				
SSDSC2KB019TZ D3-S4520 Series	SSD	Intel	2.5"	SATA	1.92TB	6Gb/s				
SC2KB480G801 D3-S4510 Series	SSD	Intel	2.5"	SATA	480GB	6Gb/s				
SSB1K9GTLCW-D2-SME1720GBT ESM1720 Series	SSD	Phison	2.5"	SATA	1.92TB	6Gb/s				
MZ7LH1T9HMLT-00005 PM883 Series	SSD	Samsung	2.5"	SATA	960GB	6Gb/s				
MTFDDAK1T9TGA 5400 series	SSD	Micron	2.5"	SATA	1.92TB	6Gb/s				

Don´t write "Test Items" under this line!!!

U.2										
SSDPF2KX038TZ D7-P5510 Series	U.2	Intel	2.5" 15mm	SFF8639(NVMe)	3.84TB	PCIe Gen4 x4				
SSDPF2NV153TZ D5-P5316 Series	U.2	Intel	2.5" 15mm	SFF8639(NVMe)	15.35TB	PCIe Gen4 x4				
SSDPE2KX010T8 DC-P4510 Series	U.2	Intel	2.5" 15mm	SFF8639(NVMe)	1TB	PCIe Gen3 x4				

Product Name	Connector	Brand	Form Factor	Interface	Capacity	System Interface Type			
SSDPF2KE032T1 D7-P5620 Series	U.2	Intel	2.5" 15mm	SFF8639(NVMe)	3.2TB	PCIe Gen4 x4			
MZQL2960HCJR-00A07 960GB PM9A3	U.2	Samsung	2.5" 7mm	SFF8639(NVMe)	960GB	PCIe Gen4 x4			
MZQL23T8HCLS PM9A3 Series	U.2	Samsung	2.5" 7mm	SFF8639(NVMe)	3.84TB	PCIe Gen4 x4			
MTFDHAL3T2TDR 9300 Max Series	U.2	Micron	2.5" 15mm	SFF8639(NVMe)	3.2TB	PCIe Gen3 x4			
Don´t write "Test Items" under this line!!!									
M.2									
MZ1L2960HCJR PM9A3 Series	M.2	Samsung	22110	PCIe(NVMe)	960GB	PCIe Gen4 x4			
MZ1L21T9HCLS PM9A3 Series	M.2	Samsung	22110	PCIe(NVMe)	1.92TB	PCIe Gen4 x4			
MZ-1LB1T9N 983 DCT Series	M.2	Samsung	22110	PCIe(NVMe)	1.92TB	PCIe Gen3 x4			
MZ1LB960HAJQ-00007 983 DCT Series	M.2	Samsung	22110	PCIe(NVMe)	960GB	PCIe Gen3 x4			
MTFDKBA800TFC 800GB 7400 Max Series	M.2	Micron	2280	PCIe(NVMe)	800GB	PCIe Gen4 x4			
MTFDKBG1T9TDZ 1.92TB 7400 Pro Series	M.2	Micron	22110	PCIe(NVMe)	1.92TB	PCIe Gen4 x4			
MTFDKBA800TFS 800GB 7450 Max Series	M.2	Micron	2280	PCIe(NVMe)	800 GB	PCIe Gen4 x4			
MTFDKBG3T8TFR 3.84TB 7450 Pro Series	M.2	Micron	22110	PCIe(NVMe)	3.84TB	PCIe Gen4 x4			
CA6-8D1024 CA6 Series	M.2	SSSTC	2280	PCIe(NVMe)	1TB	PCIe Gen4 x4			
Don´t write "Test Items" under this line!!!									

LAN Cards

Product Name	Connector	System Interface Type	# of Ports	Data Rate	Note
GIGABYTE LAN Cards					
CLN4C42	SFP28	PCIe Gen3 x16	Dual	25Gb/s per port	Mellanox ConnectX-4 (Need update ARM-HIIFirmware)
Don´t write "Test Items" under this line!!!					
Mellanox ConnectX					
MCX631102AN-ADAT	SFP28	PCIe Gen4 x8	Dual	25Gb/s per port	ConnectX®-6 Dx without Crypto
MCX631432AN-ADAB	SFP28	OCP PCIe Gen4 x8	Dual	25Gb/s per port	ConnectX®-6 Lx without Crypto / Support OCP 3.0
MCX623106AN-CDAT	QSFP56	PCIe Gen4 x16	Dual	100Gb/s per port	ConnectX®-6 Dx No Crypto, No Secure Boot
MCX623435AC-VDAB	QSFP56	OCP PCIe Gen4 x16	Single	200Gb/s per port	ConnectX®-6 Dx With Crypto1, With Secure Boot / Support OCP 3.0
MCX565M-CDAB	QSFP28	OCP PCIe Gen4 x16	Single	100Gb/s per port	ConnectX®-5 Ex Multi-Host / Support OCP 3.0
MCX516A-CCAT	QSFP28	PCIe Gen3 x16	Dual	100Gb/s per port	Mellanox ConnectX-5 EN
MCX4121A-ACAT	SFP28	PCIe Gen3 x8	Dual	25Gb/s per port	Mellanox ConnectX-4 Lx EN
Don´t write "Test Items" under this line!!!					
Mellanox VPI Adapter Cards					
MCX683105AN-HDAT	QSFP	PCIe Gen4 x16	Single	200Gb/s per port	Mellanox ConnectX-6 DE VPI (InfiniBand)
MCX653106A-HDAT	QSFP56	PCIe Gen4 x16	Dual	200Gb/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)
Don´t write "Test Items" under this line!!!					
Broadcom Networking Adapters					
BCM957508-P2100G	QSFP56	PCIe Gen4 x16	Dual	100Gb/s per port	BCM57508 (FW: 223.0.164.0)
BCM957416A4160C	RJ45	PCIe Gen3 x8	Dual	10Gb/s per port	BCM57416 (P210TP) (FW:225.1.95.0)
BCM957414A4142CC	SFP28	PCIe Gen3 x8	Dual	25Gb/s per port	BCM57414 (FW 225.0.13.0)
Don´t write "Test Items" under this line!!!					
(Mellanox) NVIDIA BlueField-2 DPU Cards					
MBF2M345A-HESOT	QSFP56	PCIe Gen4 x16	Single	200Gb/s per port	E-Series/ 2.0GHz (FW: 24.38.1002)
Don´t write "Test Items" under this line!!!					

RAID Cards

Product Name	RAID-on-Chip Controller	Host Bus Type	Internal Ports	Internal Connectors	External Ports	External Connectors	Data Transfer Rates	Note
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	
Don´t write "Test Items" under this line!!!								

M.2 to SATA convertor

Product Name	SATA Controller	Host Bus Type	Internal Ports	Internal Connectors	External Ports	External Connectors	Data Transfer Rates	Note
GIGABYTE Storage Cards								
CRS2810	ASM1166	PCIe Gen4 x4 (M.2)	6	2 x4 SlimSAS SFF-8654	-		Up to 6Gb/s per port	
Don´t write "Test Items" under this line!!!								

GPGPU Card (GPGPU server only)

Product Name	Processer Cores	Memory Bandwidth (GB/sec)	VRAM	OpenGL	Microsoft DirectX	Graphics Card Power (W)	NVIDIA SLI / AMD CrossFire Ready	Note
NVIDIA Tesla (http://www.nvidia.com/object/tesla-supercomputing-solutions.html)								
A100-80GB (Ampere)	6912	1935GB/s	80GB			300 W		
A16 (Ampere)	4 x1280	4 x 200 GB/s	4 x 16GB			250 W		
Don´t write "Test Items" under this line!!!								