

Please contact FAE support for below orange blocks

Ampere CPU for Ultra and Ultra max										
Product Name	Code Name	Q-Spec	Stepping	Cache	System Bus	# of Cores	Processor Base Frequency	Max Turbo Frequency	TDP(W)	Memory Types
Ampere(R) Ultra(R) Processor Scalable Family										
Ampere Ultra Max CPU M128-26	Ultra Max			25 GT/s	128		2.6 GHz	2.6 GHz	190	DDR4-3200
Ampere Ultra Max CPU M96-28	Ultra Max			25 GT/s	96		2.8 GHz	2.8 GHz	190	DDR4-3200
Ampere Ultra CPU Q80-28	Ultra			25 GT/s	80		2.8 GHz	2.8 GHz	185	DDR4-3200
Ampere Ultra CPU Q80-26	Ultra			20 GT/s	80		2.6 GHz	2.6 GHz	150	DDR4-3200
Ampere Ultra CPU Q64-30	Ultra			25 GT/s	64		3.0 GHz	3.0 GHz	180	DDR4-3200
Ampere Ultra CPU Q64-26	Ultra			20 GT/s	64		2.6 GHz	2.6 GHz	125	DDR4-3200
Ampere Ultra CPU Q64-22	Ultra			16 GT/s	64		2.2 GHz	2.2 GHz	95	DDR4-3200
Ampere Ultra CPU Q32-17	Ultra			16 GT/s	32		1.7 GHz	1.7 GHz	65	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										
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
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-3G2E1TI	DDR4	Micron	16GB	Micron-Montage	1Rx8	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-IDT	2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin
MTA18ASF2G72PDZ-3G2R1TI	DDR4	Micron	16GB	Micron-Montage	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
MTA18ASF2G72PZ-3G2R1TI	DDR4	Micron	16GB	Micron-Montage	1Rx4	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
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
MTA36ASF8G72PZ-3G2F1TI	DDR4	Micron	64GB	Micron-IDT	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
M393A2K43EB3-CW E BQ	DDR4	Samsung	16GB	Samsung-IDT	2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin
M393A4K40DB3-CW E CQ	DDR4	Samsung	32GB	Samsung-Montage	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
M393A4K40DB3-CW E BQ	DDR4	Samsung	32GB	Samsung-IDT	1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
M393A4K40DB3-CW E B Y	DDR4	Samsung	32GB	Samsung-IDT	1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
M393A4K40DB3-CW E G Q	DDR4	Samsung	32GB	Samsung-Rambus	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
M393A4G40BB3-CW E G Q	DDR4	Samsung	32GB	Samsung-Rambus	1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
M393A4K40EB3-CW E G Q	DDR4	Samsung	32GB	Samsung-Rambus	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
M393A4K40EB3-CW E C Q	DDR4	Samsung	32GB	Samsung-Montage	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
M393A4K40EB3-CW E B Y	DDR4	Samsung	32GB	Samsung-IDT	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
M393A8G40BB4-CW E B Y	DDR4	Samsung	64GB	Samsung-IDT	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
M393AAG40M32-CA E B Q	DDR4	Samsung	128GB	Samsung	252Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
M393AAG40M32-CA E B Y	DDR4	Samsung	128GB	Samsung	252Rx4	1.2v	3200MHz	ECC Registered	22	288-pin
KSM32RS8/16MER	DDR4	Kingston	16GB	Micron-Rambus	1Rx8	1.2v	3200MHz	ECC Registered	22	288-pin
KSM32RD8/16MRR	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
KSM32RD4/32MRR	DDR4	Kingston	32GB	Micron-Rambus	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin

Don't write "Test Items" under this line!!!

RAID Card										
Product Name	Vendor	RAID-on-Chip Controller	Host Bus Type	Internal Ports	Internal Connectors	External Ports	External Connectors	Data Transfer Rates	Note	
GIGABYTE Storage Cards										
CRA3338	GIGABYTE	LSI SAS 3008	PCIe Gen3 x8	8	2 x Mini-SAS HD SFF-8643	-	-	Up to 12Gb/s per port		
CRA4448	GIGABYTE	LSI SAS 3108	PCIe Gen3 x8	8	2 x Mini-SAS HD SFF-8643	-	-	Up to 12Gb/s per port	Hardware RAID Firmware need support ARM HII HII Firmware: 03.25.05.10	

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SATA/SAS SSD										
Product Name	Type	Vendor	Form Factor	Interface	Capacity	Interface Speed	FW	Note		
SATA SSD										
MTFDDAK3T8TDS-1AW1ZABYY (5300 PRO)	SSD	Micron	2.5"	SATA	3.84TB	6Gb/s	D3MU401			
MTFDDAK1T9TDS-1AW1ZABYY (5300 PRO)	SSD	Micron	2.5"	SATA	1.92TB	6Gb/s	D3MU001			
MZ7L31T9H8NA-00A07 PM897	SSD	Samsung	2.5"	SATA	1.92TB	6Gb/s	JXTE004Q			
MZ-7L1H1T9NE 883 DCT Series	SSD	Samsung	2.5"	SATA	1.92TB	6Gb/s	HXT7404Q			
MZ7L3480HCHQ-00A07 PM893 Series	SSD	Samsung	2.5"	SATA	480GB	6Gb/s	JXTC004Q			
MZ7L3378HBLT-00A07 PM893 Series	SSD	Samsung	2.5"	SATA	3.84TB	6Gb/s	JXTC004Q			

Product Name	Type	Vendor	Form Factor	Interface	Capacity	Interface Speed	FW	Note
SSB1K9GLCW-D2-SME1720GBT ESM1720 Series								
SSD								
Phison								
2.5"								
SATA								
1.92TB								
8Gb/s								
SCEMH5.0								
Don't write "Test Items" under this line!!!								
M.2								
SSDPEKKA256G801 P4101 Series 256GB								
M.2	Intel	2280	PCIe(NVMe)	256GB	PCIe Gen3 x4	008D		
MZ1L219HCLS PM9A3 Series								
M.2	Samsung	22110	PCIe(NVMe)	1.92TB	PCIe Gen4 x4	GDC7202Q		
MZ-1LB960N 983 DCT Series								
M.2	Samsung	22110	PCIe(NVMe)	960GB	PCIe Gen3 x4	EDA7102Q		
MZ-1LB119N 983 DCT Series								
M.2	Samsung	22110	PCIe(NVMe)	1.92TB	PCIe Gen3 x4	EDA7102Q		
MTFDKBA800TFC 800GB 7400 Max Series								
M.2	Micron	2280	PCIe(NVMe)	800GB	PCIe Gen4 x4	E1MU23BC		
MTFDKBG3T8TDZ 3.84TB 7400 Pro Series								
M.2	Micron	22110	PCIe(NVMe)	3.84TB	PCIe Gen4 x4	E1MU23BC		
MTFDKBG119TDZ 1.92TB 7400 Pro Series								
M.2	Micron	22110	PCIe(NVMe)	1.92TB	PCIe Gen4 x4	E1MU23BC		
MTFDKBA800TFS 800GB 7450 Max Series								
M.2	Micron	2280	PCIe(NVMe)	800 GB	PCIe Gen4 x4	E2MU110		
MTFDKBG3T8TFR 3.84TB 7450 Pro Series								
M.2	Micron	22110	PCIe(NVMe)	3.84TB	PCIe Gen4 x4	E2MU110		
DuraFlash SPG230504ZH								
M.2	SMART Modular	2280	PCIe(NVMe)	480 GB	PCIe Gen4 x4	FW1433		
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				
CLN4C44								
SFP28	PCIe Gen3 x16	Quad	25Gb/s per port	Mellanox ConnectX-4				
CLN4M34								
SFP28	PCIe Gen3 x16	Quad	10Gb/s per port	Mellanox ConnectX-4				
Don't write "Test Items" under this line!!!								
Mellanox ConnectX								
MCX631102AN-ADAT								
SFP28	PCIe Gen4 x8	Dual	25Gb/s per port	ConnectX®-6 DL without Crypto				
MCX631432AN-ADAB								
SFP28	OCF PCIe Gen4 x8	Dual	25Gb/s per port	ConnectX®-6 DL without Crypto / Support OCP 3.0				
MCX623105AN-CDAT								
QSFP56	PCIe Gen4 x16	Single	100Gb/s per port	ConnectX®-6 DL No Crypto, No Secure Boot				
MCX623106AN-CDAT								
QSFP56	PCIe Gen4 x16	Dual	100Gb/s per port	ConnectX®-6 DL No Crypto, No Secure Boot				
MCX623435AC-VDAB								
QSFP56	OCF PCIe Gen4 x16	Single	200Gb/s per port	ConnectX®-6 DL With Crypto1, With Secure Boot / Support OCP 3.0				
MCX613106A-VDAT								
QSFP56	PCIe Gen4 x16	Dual	200Gb/s per port	Mellanox ConnectX-6 EN				
MCX565M-CDAB								
QSFP28	OCF PCIe Gen4 x16	Single	100Gb/s per port	ConnectX®-5 Ex Multi-Host / Support OCP 3.0				
MCX623432AN-ADAB								
SFP28	OCF PCIe Gen4 x16	Dual	25Gb/s per port	ConnectX®-6 DL No Crypto, No Secure Boot / Support OCP 3.0				
MCX4121A -ACAT								
SFP28	PCIe Gen3 x8	Dual	25Gb/s per port	Mellanox ConnectX-4 Lx MCX4121A -ACAT SFP28 PCIe3.0 x8				
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)				
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)				
MCX555A-ECAT								
QSFP28	PCIe Gen3 x16	Single	100Gb/s per port	Mellanox ConnectX-5 VPI (InfiniBand)				
MCX623106AC-CDAT								
QSFP56	PCIe Gen4 x16	Dual	100Gb/s per port	Mellanox MCX623106AC-CDAT ConnectX-6 DX Dual Port 100Gb PCIe 4.0 x16 Ethernet Adapter Card				
Don't write "Test Items" under this line!!!								
Broadcom (Emulex) Ethernet Networking Adapters								
BCM957414A4142CC								
SFP28	PCIe Gen3 x8	Dual	25Gb/s per port	BCM57414				
BCM957416A4160C								
RJ-45	PCIe Gen3 x8	Dual	10Gb/s per port	BCM5741 (P210TP)				
BCM957504-N425G								
SFP28	OCF PCIe 4.0	Quad	25Gb/s per port	BCM57504 NetXtreme-E Quad-port 25 Gb/s Sfp28 Ethernet Port Express 4.0 X16 OCP 3.0				
BCM957416N4160C-N210TP								
RJ-45	OCF PCIe 4.0	Dual	10Gb/s per port	BCM57416 NetXtreme-E Dual-Media 10G (N210TP)				
Don't write "Test Items" under this line!!!								