

Please contact FAE support for below orange blocks

Memory (Memory actually maximum frequency will follow memory controller's spec of CPU you used)											
Product Name	Code Name	Q-Spec	Stepping	Cache	System Bus	# of Cores	Processor Base Frequency	Max Frequency	TDP	Memory Types	Note
Amperre CPU											
Amperre CPU Q80-33						80	3.0 GHz	3.3 GHz	250	DDR4-3200	
Amperre CPU Q80-30						80	2.8 GHz	3.0 GHz	210	DDR4-3200	
Amperre CPU Q64-33						64	3.0 GHz	3.3 GHz	220	DDR4-3200	
Amperre CPU Q64-30						64	2.8 GHz	3.0 GHz	180	DDR4-3200	
Product Name	Memory Type	Module Supplier	Size	Chip Brand	Rank	Voltage	Data Transfer Rate	Error Correction	CAS Latency	Pins	Note
RDIMM											
MTA36ASF4G72PZ-3G2E2	DDR4	Micron	16GB	Micron-Rambus	2Rx4	1.2v	3200MHz	ECC Registered	24	288-pin	
M393A4G43AB3-CWE	DDR4	Samsung	32GB	Samsung-IDT	2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin	
M393A2K40CB2-CTD6Q	DDR4	Samsung	16GB	Samsung-Montage	1Rx4	1.2v	2666MHz	ECC Registered	19	288-pin	
M393ABK40B22-CWD6Q	DDR4	Samsung	64GB	Samsung	ZS2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin	
M393A9G40M82-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-VK13	DDR4	SKhynix	32GB	SKhynix-Montage	2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin	
M393A2K43DB2-CVFBQ	DDR4	Samsung	16GB	Samsung-IDT	2Rx8	1.2v	2933MHz	ECC Registered	21	288-pin	
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	
CT16G4RFD8293-18FE1	DDR4	CRUCIAL	16GB	Micron	2Rx8	1.2v	2933MHz	ECC Registered	21	288-pin	
MTA9ASF2G72PZ-2G9E1UI	DDR4	Micron	16GB	Micron-Rambus	1Rx8	1.2v	2933MHz	ECC Registered	21	288-pin	
CT32G4RFD4293-2G9E2.001	DDR4	CRUCIAL	32GB	Micron	2Rx4	1.2v	2933MHz	ECC 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	ECC Registered	21	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 Registered	21	288-pin	
HMA84GR7CJR4N-WM TG	DDR4	SKhynix	32GB	SKhynix-IDT	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin	
HMA8GR7MJR4N-WM T4	DDR4	SKhynix	64GB	SKhynix-Montage	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin	
KSM29RD8/16HDR	DDR4	Kingston	16GB	SKhynix-Rambus	2Rx8	1.2v	2933MHz	ECC Registered	21	288-pin	
KSM29RD4/32HDR	DDR4	Kingston	32GB	SKhynix-Rambus	2Rx4	1.2v	2933MHz	ECC Registered	21	288-pin	
NT16GA7ZD8PBX3P-IX	DDR4	Nanya	16GB	Nanya-IDT	2Rx8	1.2v	2933MHz	ECC Registered	21	288-pin	
NT32GA7ZD4NBX3P-IX	DDR4	Nanya	32GB	Nanya-Montage or IDT	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	
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	
HMA8GR7AJR4N-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 Registered	22	288-pin	
MTA36ASF4G72PZ-3G2E1VI	DDR4	Micron	32GB	Micron-IDT	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
MTA36ASF8G72PZ-3G2E1VI	DDR4	Micron	64GB	Micron-IDT	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
M393A2K43DB3-CWEBQ	DDR4	Samsung	16GB	Samsung-IDT	2Rx8	1.2v	3200MHz	ECC Registered	22	288-pin	
M393A2K40DB3-CWEGQ	DDR4	Samsung	16GB	Samsung-Rambus	1Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
M393A4K40DB3-CWEQ	DDR4	Samsung	32GB	Samsung-Montage	2Rx4	1.2v	3200MHz	ECC Registered	22	288-pin	
M393A4K40DB3-CWEBQ	DDR4	Samsung	32GB	Samsung-IDT	1Rx4	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 Registered	22	288-pin	
M393AA4G40M32-CAEBO	DDR4	Samsung	128GB	Samsung	ZS2Rx4	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	1Rx4	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 Registered	22	288-pin	
HDD (SAS HDD may need RAID Card support)											
Product Name	Type	Vendor	Form Factor	Format	Capacity	Interface Speed	Series	Cache	RPM	Encryption	FW
Seagate Enterprise Capacity 2.5 HDD											
ST2000NX0243	SATA	Seagate	2.5"	4Kn	2TB	6Gb/s	Exos 7E2000 (Enterprise Capacity V.3)	128MB	7200	N/A	NN02
ST300MP006	SAS	Seagate	2.5"	512n	300GB	12Gb/s	Exos 15E900 (Enterprise Performance 15K)	256MB	15000	N/A	
ST300MP0106	SAS	Seagate	2.5"	4Kn/512e	300GB	12Gb/s	Exos 15E900 (Enterprise Performance 15K)	256MB	15000	N/A	
ST2400MM0129	SAS	Seagate	2.5"	4Kn/512e	2TB	12Gb/s	Exos 10E2400 (Enterprise Performance 10K)	256MB	10000	N/A	C001
Toshiba HDD (SAS HDD may need RAID Card support)											
Product Name	Type	Vendor	Form Factor	Format	Capacity	Interface Speed	Series	Cache	RPM	Encryption	Note
Enterprise Hard Drives											
AL15SEB24EG	SAS	Toshiba	2.5"	512e	2.4TB	12Gb/s	Performance	128MB	10500	N/A	FW:0102
SATA/SAS SSD											
Product Name	Type	Vendor	Form Factor	Interface	Capacity	Interface Speed	FW	Note			
SATA/SAS SSD											
MTFDDAK3T8TD5-1AW1ZABYY (5300 PRO)	SSD	Micron	2.5"	SATA	3.84TB	6Gb/s					
MTFDDAK1T9TD5-1AW1ZABYY (5300 PRO)	SSD	Micron	2.5"	SATA	1.92TB	6Gb/s					
MZ-7LH119NE 883 DCT Series	SSD	Samsung	2.5"	SATA	1.92TB	6Gb/s					
SSDSC2KB019TB D3-S4510 Series	SSD	Intel	2.5"	SATA	1.92TB	6Gb/s					

Product Name	Type	Vendor	Form Factor	Interface	Capacity	Interface Speed	Note	
XA960LE10063	SSD	Seagate	2.5"	SATA	960GB	6Gb/s		
KXK61RSE960G	SSD	Toshiba	2.5"	SATA	960GB	6Gb/s		
MZL7T76HMLA-0007 PM1643 Series	SSD	Samsung	2.5"	SAS	7.68TB	12Gb/s		
XSG96SE70084 Nyrto 3332 Series	SSD	Seagate	2.5"	SAS	960GB	12Gb/s		
U.2								
U.2 (VROC support)								
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	PCIe Gen3 x4		
U.2								
SSDPE2KX010T801 P4510 Series	U.2	Intel	2.5"	SFF8639(NVMe)	1TB	PCIe 3.1 x4, NVMe	Intel SSD 2.5" DC P4510 Series (1.0TB, PCIe 3.1x4, 3D2, TLC)	
SSDPE2KX040T8 P4510 Series	U.2	Intel	2.5"	SFF8639(NVMe)	4TB	PCIe 3.1 x4, NVMe	Intel® SSD DC P4510 Series (4.0TB, 2.5in PCIe® 3.1x4, 3D2, TLC)	
MZWL3T2HAJQ PM1725b Series	U.2	Samsung	2.5"	SFF8639(NVMe)	3.2TB	PCIe Gen3 x4		
MZQLW1109HLP PM993 Series	U.2	Samsung	2.5"	SFF8639(NVMe)	1.92TB	PCIe Gen3 x4		
MZ-QLB1109 983 DCT Series	U.2	Samsung	2.5"	SFF8639(NVMe)	1.92TB	PCIe Gen3 x4		
MZWL3T8HLS PM1733 Series	U.2	Samsung	2.5"	SFF8639(NVMe)	3.84TB	PCIe Gen4 x4		
MTFDHBE1T6TDG 7300 Max Series	U.2	Micron	2.5"	SFF8639(NVMe)	1.6TB	PCIe Gen3 x4	MTFDHBE1T6TDG-1AW1ZBYY	
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		
MZ7LH HAJR-00005 Samsung 883	SSD	Samsung	2.5"	SATA	960GB	6Gb/s		
MZ-QLB960NE Samsung 883	U.2	Samsung	2.5"	SFF8639(NVMe)	960GB	PCIe Gen3 x4		
U.3								
KCM61RUL3T84 CM6-R Series	U.3	KIOXIA	2.5"	SFF8639(NVMe)	3.84TB	PCIe Gen4 x4		
M.2								
M.2								
Product Name	Type	Vendor	Form Factor	Interface	Capacity	Interface Speed	Note	
M.2								
Phison PS5016-E16 & PS5019-E19	M.2	Gigabyte		PCIe(NVMe)		PCIe 4.0x8		
MZ1LB960HAJQ-00007	M.2	Samsung		PCIe(NVMe)	960GB	PCIe Gen3 x4		
M.2 Expansion PCIe Card								
Product Name	Type	Vendor	Form Factor	Interface	Max. Channels	Interface Speed	Note	
CMT4032	PCIe	Gigabyte	22110	PCIe(NVMe)	2	PCIe Gen3 x8		
CMT4034	PCIe	Gigabyte	22110	PCIe(NVMe)	4	PCIe Gen3 x16		
RAID Cards								
Product Name	RAID-on-Chip Controller	Host Bus Type	Internal Ports	Internal Connectors	External Ports	External Connectors	Data Transfer Rates	Note
GIGABYTE Storage Cards								
GRA3338	LSI SAS 3008	PCIe Gen3 x8	8	2 x Mini-SAS HD SFF-8543	-	-	Up to 12Gb/s per port	
CRA0338	LSI SAS 3008	PCIe Gen3 x8	8	2 x SlimSAS SFF-8654	-	-	Up to 12Gb/s per port	
LSI Host Bus Adapters (HBAs)								
LSI SAS 9305-24i	SAS3224	PCIe Gen3 x8	24	6 Mini-SAS HD SFF8643	-	-	Up to 12Gb/s per port	
LAN Cards								
Product Name	Connector	System Interface Type	# of Ports	Data Rate	Note			
GIGABYTE LAN Cards								
CLN4312	RJ-45	PCIe Gen2 x4	Dual	1Gb/s per port				
Intel 1GbE								
Intel® Ethernet Converged Network Adapter I350-T2V2	RJ-45	PCIe Gen2 x4	Dual	1Gb/s per port				
Mellanox ConnectX								
MCX4421A-ACQN	SFP28	PCIe Gen3 x8	Dual	25Gb/s per port				
MCX623105AN-CDAT	QSFP56	PCIe Gen4 x16	Single	100Gb/s per port	ConnectX8-6 No Crypto, No Secure Boot			
MCX623106AN-CDAT	QSFP56	PCIe Gen4 x16	Dual	100Gb/s per port	ConnectX8-6 No Crypto, No Secure Boot			
MCX516A-CCAT	QSFP28	PCIe Gen3 x16	Dual	100Gb/s per port	Mellanox ConnectX-5 EN			
MCX512A-ACAT	SFP28	PCIe Gen3 x8	Dual	25Gb/s per port	Mellanox ConnectX-5 EN			
MCX4431A-GCAN	QSFP28	PCIe Gen3 x8	Single	50Gb/s per port	Mellanox ConnectX-4 Lx EN / Support OCP 2.0			
MCX4421A-ACAN	SFP28	PCIe Gen3 x8	Dual	25Gb/s per port	Mellanox ConnectX-4 Lx EN / Support OCP 2.0			
MCX4421A-ACQN	SFP28	PCIe Gen3 x8	Dual	25Gb/s per port	Mellanox ConnectX-4 Lx EN / Support OCP 2.0			
MCX4121A-ACAT	SFP28	PCIe Gen3 x8	Dual	25Gb/s per port	Mellanox ConnectX-4 Lx EN			
Mellanox VPI Adapter Cards								
MCX853106A-HDAT	QSFP56	PCIe Gen4 x16	Dual	200Gb/s per port	Mellanox ConnectX-6 Ex VPI (InfiniBand)			
MCX853105A-HDAT	QSFP56	PCIe Gen4 x16	Single	200Gb/s per port	Mellanox ConnectX-6 Ex VPI (InfiniBand)			
MCX853105A-ECAT	QSFP56	PCIe Gen4 x16	Single	100Gb/s per port	Mellanox ConnectX-6 Ex VPI (InfiniBand)			
MCX456A-ECAT	QSFP28	PCIe Gen3 x16	Dual	100Gb/s per port	Mellanox ConnectX-4 VPI (InfiniBand)			
MCX354A-FCBT	QSFP	PCIe Gen3 x8	Dual	FDR and 40/56GbE				
USB Device								
Product Name	Type	Vendor	Capacity	Note				
USB 3.0								
PURE CLASSIC X176B1FWB075	HDD	Gigabyte	500G					
GoFlex STAA500305	HDD	Seagate	500G					
TOSHIBA CANVIO BASIC	HDD	Toshiba	500G					
NU EBC113	Blue-ray	NU						
NU ESW863 BX SLIM	DVD	Verico	16G					
Genio Evolution Lite S 16GB	Flash	Verico	16G					
NA317U	Device	imeo						
S1-DS3-Plus	Device	CyberSLIM						
MR981U3-1S	Device	ICYDOCK						
SB10-SB3(6G)	Device	STARDOM						