

**C5. Qualification Vender List**

Please contact FAE support for below orange blocks

**Intel CPU**

Product Name	Vendor	Code Name	Q-Spec	Stepping	Cache	# of Cores	Processor Base Frequency	Max Turbo Frequency	TDP(W)	Memory Types
Rocket Lake-E (Tatlow-Entry Server/Workstation) Xeon E										
Intel® Xeon E-2388G	Intel	Rocket Lake-E	QWDD	B-0	16MB	8	3.2GHz	5.1GHz	95W	DDR4-3200
Intel® Xeon E-2336	Intel	Rocket Lake-E	QWDP	B-0	12MB	6	2.9GHz	4.8GHz	65W	DDR4-3200
Intel® Xeon E-2378G	Intel	Rocket Lake-E	QWDF	B-0	16MB	8	2.8GHz	5.1GHz	80W	DDR4-3200
Intel® Xeon E-2356G	Intel	Rocket Lake-E	QWDG	B-0	12MB	6	3.2GHz	5.0GHz	80W	DDR4-3200
Intel® Xeon E-2378	Intel	Rocket Lake-E	QWDM	B-0	16MB	8	2.6GHz	4.8GHz	65W	DDR4-3200
Intel® Xeon E-2334	Intel	Rocket Lake-E	QWDQ	B-0	8MB	4	3.4GHz	4.8GHz	65W	DDR4-3200
Intel® Xeon E-2374G	Intel	Rocket Lake-E	QWDJ	B-0	8MB	4	3.7GHz	5.0GHz	80W	DDR4-3200
Intel® Xeon E-2324G	Intel	Rocket Lake-E	QWDR	B-0	8MB	4	3.1GHz	4.6GHz	65W	DDR4-3200
Intel® Xeon E-2314	Intel	Rocket Lake-E	QWDT	B-0	8MB	4	2.8GHz	4.5GHz	65W	DDR4-3200
Intel® Xeon E-2386G	Intel	Rocket Lake-E	QWDE	B-0	12 MB	6	3.5GHz	5.1GHz	95 W	DDR4-3200
Cometlake-S (Desktop) Pentium Gold										
Intel® Pentium® Gold G6605	Intel	Cometlake-S	QTVD	G-1	4MB	2	4.3 GHz	N/A	58W	DDR4-2666
Intel® Pentium® Gold G6505	Intel	Cometlake-S	QTVC	G-1	4MB	2	4.2 GHz	N/A	58W	DDR4-2666
Intel® Pentium® Gold G6405	Intel	Cometlake-S	QTVA	G-1	4MB	2	4.1 GHz	N/A	58W	DDR4-2666
Intel® Pentium® Gold G6505T	Intel	Cometlake-S	QTVB	G-1	4MB	2	3.6 GHz	N/A	35W	DDR4-2666
Intel® Pentium® Gold G6405T	Intel	Cometlake-S	QTV9	G-1	4MB	2	3.5 GHz	N/A	35W	DDR4-2666

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

**Memory**

Product Name	Vendor	Memory Type	Size	CAS Latency	Rank	Voltage	Data Transfer Rate	Error Correction	Pins	Note
DDR4 ECC UDIMM										
Don't write "Test Items" under this line!!!										
M4C0-4GSSLCRG	INNODISK	DDR4	4GB	15	1RX8	1.2v	2133MHz	ECC Unbuffer	288-pin	
TS512MLH72V1H	Transcend	DDR4	4GB	15	1RX8	1.2v	2133MHz	ECC Unbuffer	288-pin	
78.B1GM4.AF00B	Apacer	DDR4	4GB	15	1RX8	1.2v	2133MHz	ECC Unbuffer	288-pin	
M4C0-8GSSMCRG	INNODISK	DDR4	8GB	15	2RX8	1.2v	2133MHz	ECC Unbuffer	288-pin	
TS1GLH72V1H	Transcend	DDR4	8GB	15	2RX8	1.2v	2133MHz	ECC Unbuffer	288-pin	
M391A1G43DB0-CPB	SAMSUNG	DDR4	8GB	15	2RX8	1.2v	2133MHz	ECC Unbuffer	288-pin	
M391A2K43BB1-CPB	SAMSUNG	DDR4	16GB	15	2RX8	1.2v	2133MHz	ECC Unbuffer	288-pin	
HMA81GU7AFR8N-UH TO AA 1643	Skhynix	DDR4	8GB	17	1RX8	1.2v	2400MHz	ECC Unbuffer	288-pin	
HMA81GU7AFR8N-UH	SKhynix	DDR4	8GB	17	1RX8	1.2v	2400MHz	ECC Unbuffer	288-pin	
CT8G4WFD824A.18FB1	Crucial	DDR4	8GB	17	2RX8	1.2v	2400MHz	ECC Unbuffer	288-pin	
HMA82GU7AFR8N-UH	SKhynix	DDR4	16GB	17	2RX8	1.2v	2400MHz	ECC Unbuffer	288-pin	
M4C0-AGS1MCSJ	Innodisk	DDR4	16GB	17	2RX8	1.2v	2400MHz	ECC Unbuffer	288-pin	
78.C1GSC.4050B	Apacer	DDR4	8GB	19	1RX8	1.2v	2666MHz	ECC Unbuffer	288-pin	
KSM26ES8/8ME	Kingston	DDR4	8GB	19	1RX8	1.2v	2666MHz	ECC Unbuffer	288-pin	
HMA81GU7CJR8N-VK TO AC 1820	Skhynix	DDR4	8GB	19	1RX8	1.2v	2666MHz	ECC Unbuffer	288-pin	
KSM26ES8/16ME	Kingston	DDR4	16GB	19	2RX8	1.2v	2666MHz	ECC Unbuffer	288-pin	
78.D1GSC.4010B	Apacer	DDR4	16GB	19	2RX8	1.2v	2666MHz	ECC Unbuffer	288-pin	
HMA82GU7CJR8N-VK TO AC 1801	Skhynix	DDR4	16GB	19	2RX8	1.2v	2666MHz	ECC Unbuffer	288-pin	
KSM32ES8/8ME	Kingston	DDR4	8GB	22	1RX8	1.2v	3200MHz	ECC Unbuffer	288-pin	
M4C0-8GM1LCEM-D33	Innodisk	DDR4	8GB	22	1RX8	1.2v	3200MHz	ECC Unbuffer	288-pin	
TE8GHLEV3BH	TeamGroup	DDR4	8GB	22	1RX8	1.2v	3200MHz	ECC Unbuffer	288-pin	
KSM32ED8/16ME	Kingston	DDR4	16GB	22	2RX8	1.2v	3200MHz	ECC Unbuffer	288-pin	
D32.27261S.001	Apacer	DDR4	16GB	22	2RX8	1.2v	3200MHz	ECC Unbuffer	288-pin	
M4C0-AGM1MCEM-D33	Innodisk	DDR4	16GB	22	2RX8	1.2v	3200MHz	ECC Unbuffer	288-pin	
TE16GHLEV3BH	TeamGroup	DDR4	16GB	22	2RX8	1.2v	3200MHz	ECC Unbuffer	288-pin	
TE32GHLEV3MH	TeamGroup	DDR4	32GB	22	2RX8	1.2v	3200MHz	ECC Unbuffer	288-pin	

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**DDR4 Non ECC UDIMM**

Don't write "Test Items" under this line!!!										
75.B93G2.G000B 4GB UNB	Apacer	DDR4	4GB	15	1RX8	1.2v	2133MHz		288-pin	
CT4G4DFS8213.8FA1 4GB	CRUCIAL	DDR4	4GB	15	1RX8	1.2v	2133MHz		288-pin	

TS512MLH64V1H	Transcend	DDR4	4GB	15	1RX8	1.2v	2133MHz		288-pin	
84G44G93MC-21OMCALGF15T	UMAX	DDR4	4GB	15	1RX8	1.2v	2133MHz		288-pin	
AD4U2133W4G15-BHYM	ADATA	DDR4	4GB	15	1RX8	1.2v	2133MHz		288-pin	
KVR21N15S8/4	Kingston	DDR4	4GB	15	1RX8	1.2v	2133MHz		288-pin	
TS1GLH64V1H	Transcend	DDR4	8GB	15	2RX8	1.2v	2133MHz		288-pin	
78.C1GM3.AF10B 8GB UNB	Apacer	DDR4	8GB	15	2RX8	1.2v	2133MHz		288-pin	
CT8G4DFD8213.16FA1 8GB	CRUCIAL	DDR4	8GB	15	2RX8	1.2v	2133MHz		288-pin	
84G48G93MC-21OMCGNGF15T	UMAX	DDR4	8GB	15	2RX8	1.2v	2133MHz		288-pin	
AD4U2133W8G15-BHYM	ADATA	DDR4	8GB	15	2RX8	1.2v	2133MHz		288-pin	
KVR21N15D8/8	Kingston	DDR4	8GB	15	2RX8	1.2v	2133MHz		288-pin	
KVR24N17S8/8	Kingston	DDR4	8GB	17	1RX8	1.2v	2400MHz		288-pin	
KVR24N17D8/16	Kingston	DDR4	16GB	17	2RX8	1.2v	2400MHz		288-pin	
KVR26N19S8/8	Kingston	DDR4	8GB	19	1RX8	1.2v	2666MHz		288-pin	
CT8G4DFS8266.8FB1	CRUCIAL	DDR4	8GB	19	1RX8	1.2v	2666MHz		288-pin	
KVR26N19D8/16	Kingston	DDR4	16GB	19	2RX8	1.2v	2666MHz		288-pin	
CT16G4DFD8266.16FH1	CRUCIAL	DDR4	16GB	19	2RX8	1.2v	2666MHz		288-pin	
CT32G4DFD8266.16FB1	CRUCIAL	DDR4	32GB	19	2RX8	1.2v	2666MHz		288-pin	
CT8G4DFS832A.C8FJ	CRUCIAL	DDR4	8GB	22	1RX8	1.2v	3200MHz		288-pin	
HMA81GU6DJR8N-XN	SKhynix	DDR4	8GB	22	1RX8	1.2v	3200MHz		288-pin	
CT16G4DFD832A.M16FJ	CRUCIAL	DDR4	16GB	22	2RX8	1.2v	3200MHz		288-pin	
HMA82GU6DJR8N-XN	SKhynix	DDR4	16GB	22	2RX8	1.2v	3200MHz		288-pin	
M4U0-AGM1KCEM-D33	Innodisk	DDR4	16GB	22	2RX8	1.2v	3200MHz		288-pin	
M4U0-BGM2KCEM-D33	Innodisk	DDR4	32GB	22	2RX8	1.2v	3200MHz		288-pin	
M378A4G43AB2-CWE	SAMSUNG	DDR4	32GB	22	2RX8	1.2v	3200MHz		288-pin	

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

**HDD (If the system build-in with RAID card ,please refer to RAID card QVL list)**

Product Name	Vendor	Type	Form Factor	Format	Capacity	Interface Speed	Series	Cache	RPM	Encryption
Seagate Enterprise Capacity 2.5 HDD										

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

ST2000NX0253 (Only support external hot swap 2.5" HDD tray)	Seagate	SATA	2.5"	512e	2TB	6Gb/s	Exos 7E2000	128MB	7200	N/A
ST2000NX0243 (Only support external hot swap 2.5" HDD tray)	Seagate	SATA	2.5"	4Kn	2TB	6Gb/s	Exos 7E2000	128MB	7200	N/A
ST1000NX0313 (Only support external hot swap 2.5" HDD tray)	Seagate	SATA	2.5"	512e	1TB	6Gb/s	Exos 7E2000	128MB	7200	N/A

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

**SATA/SAS SSD**

Product Name	Vendor	Type	Form Factor	Interface	Capacity	Interface Speed	Note
SATA SSD							

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

SSDSC2KB240GZ	Solidigm	SSD	2.5"	SATA	240GB	6Gb/s	D3-S4520 Series
SSDSC2KB480GZ	Solidigm	SSD	2.5"	SATA	480GB	6Gb/s	D3-S4520 Series
SSDSC2KB019TZ	Solidigm	SSD	2.5"	SATA	1.92TB	6Gb/s	D3-S4520 Series
SSDSC2KG480GZ01	Solidigm	SSD	2.5"	SATA	480GB	6Gb/s	D3-S4620 Series
SSDSC2KG960GZ01	Solidigm	SSD	2.5"	SATA	960GB	6Gb/s	D3-S4620 Series
SSDSC2KG019TZ	Solidigm	SSD	2.5"	SATA	1.92TB	6Gb/s	D3-S4620 Series
SSDSC2KG038TZ	Solidigm	SSD	2.5"	SATA	3.84TB	6Gb/s	D3-S4620 Series
MTFDDAK3T8TDS-1AW1ZABYY	Micron	SSD	2.5"	SATA	3.84TB	6Gb/s	5300 PRO Series
MTFDDAK1T9TDS-1AW1ZABYY	Micron	SSD	2.5"	SATA	1.92TB	6Gb/s	5300 PRO Series
MTFDDAK1T9TGB-1BC1ZABYY	Micron	SSD	2.5"	SATA	1.92TB	6Gb/s	5400 MAX Series
MTFDDAK1T9TGA-1BC1ZABYY	Micron	SSD	2.5"	SATA	1.92TB	6Gb/s	5400 PRO Series
MZ7L3480HCHQ-00A07	Samsung	SSD	2.5"	SATA	480GB	6Gb/s	PM893 Series
MZ7L33T8HBLT-00A07	Samsung	SSD	2.5"	SATA	3.84TB	6Gb/s	PM893 Series
MZ7L31T9HBNA-00A07	Samsung	SSD	2.5"	SATA	1.92TB	6Gb/s	PM897 Series
SSB480GTLWCW-D2-SME1720GBT	Phison	SSD	2.5"	SATA	480GB	6Gb/s	ESM1720 Series
SSB960GTLWCW-D2-SME1720GBT	Phison	SSD	2.5"	SATA	960GB	6Gb/s	ESM1720 Series
SSB1K9GTLWCW-D2-SME1720GBT	Phison	SSD	2.5"	SATA	1.92TB	6Gb/s	ESM1720 Series
SSB240GTLWCW-D2-ESW1710GBT	Phison	SSD	2.5"	SATA	240GB	6Gb/s	ESW1710 Series
SSB480GTLWCW-D2-ESW1710GBT	Phison	SSD	2.5"	SATA	480GB	6Gb/s	ESW1710 Series
SSB960GTLWCW-D2-ESW1710GBT	Phison	SSD	2.5"	SATA	960GB	6Gb/s	ESW1710 Series

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

**M.2**

Product Name	Vendor	Type	Form Factor	Interface	Capacity	Interface Speed	Note
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M.2									
<b>Don't write "Test Items" under this line!!!</b>									
SSDPEKKA256G801 P4101 Series 256GB	Intel	M.2	2280	PCIe(NVMe)	256GB	PCIe Gen3 x4			
SSDPEKKA256G701 P3100 Series 256GB	Intel	M.2	2280	PCIe(NVMe)	256GB	PCIe Gen3 x4			
SSDPEKKA010T701 P3100 Series 1TB	Intel	M.2	2280	PCIe(NVMe)	1TB	PCIe Gen3 x4			
MZVPV512HDGL	Samsung	M.2	2280	PCIe(NVMe)	512GB	PCIe Gen3 x4			
AF960GSTJA-YT1 ATP 960GB	ATP	M.2	2280	PCIe(NVMe)	960GB	PCIe Gen3 x4			
MTFDHBA800TDG 800GB 7300 Max Series	Micron	M.2	2280	PCIe(NVMe)	800GB	PCIe Gen3 x4			
MTFDHBA960TDF 960GB 7300 Pro Series	Micron	M.2	2280	PCIe(NVMe)	960GB	PCIe Gen3 x4			
CA6-8D1024 CA6 Series	SSSTC	M.2	2280	PCIe(NVMe)	1TB	PCIe Gen3 x4			
<b>Don't write "Test Items" under this line!!!</b>									
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									
<b>Don't write "Test Items" under this line!!!</b>									
CRA3338	GIGABYTE	LSI SAS 3008	PCIe Gen3 x8	8	2 x Mini-SAS HD SFF-8643	-	-	Up to 12Gb/s per port	
CSA4648	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	
<b>Don't write "Test Items" under this line!!!</b>									
LAN Cards									
Product Name	Vendor	Connector	System Interface Type	# of Ports	Data Rate	Note			
GIGABYTE LAN Cards									
<b>Don't write "Test Items" under this line!!!</b>									
CLN4222	GIGABYTE	RJ-45	PCIe Gen3 x4	Dual	10Gb/s per port	INTEL X550-AT2			
<b>Don't write "Test Items" under this line!!!</b>									
Intel_10GbE									
<b>Don't write "Test Items" under this line!!!</b>									
X550-T2	Intel	RJ-45	PCIe Gen3 x4	Dual	10Gb/s per port				
<b>Don't write "Test Items" under this line!!!</b>									
Qlogic LAN Adapters									
<b>Don't write "Test Items" under this line!!!</b>									
QLE3442-RJ-CK	Qlogic	RJ-45	PCIe Gen3 x8	Dual	10Gb/s per port				
<b>Don't write "Test Items" under this line!!!</b>									
Broadcom (Emulex) Ethernet Networking Adapters									
<b>Don't write "Test Items" under this line!!!</b>									
BCM957416A4160C	Broadcom	RJ-45	PCIe Gen3 x8	Dual	10Gb/s per port	BCM5741 (P210TP)			
<b>Don't write "Test Items" under this line!!!</b>									
USB Device									
Product Name	Vendor	Type	Connector	Capacity	Note				
USB 3.0									
<b>Don't write "Test Items" under this line!!!</b>									
PURE CLASSIC X176B1FWB075	Gigabyte	HDD		500G					
GoFlex STAA500305	Seagate	HDD		500G					
TOSHIBA CANVIO BASIC	Toshiba	HDD		500G					
NU EBC113	NU	Blue-ray							
NU ESW863 8X SLIM	NU	DVD							
Verico Evolution Lite S 16GB	Verico	Flash		16G					
ADATA SUPERIOR S102 PRO 8GB	ADATA	Flash		8G					
S1-DS3 TURBO	CyberSLIM	Device							
NA317U+	ineo	Device							
SST-TS13	Silver Stone	Device							
S1-DS3-Plus	CyberSLIM	Device							

MB981U3-1S	ICYDOCK	Device			
i310-SB3(6G)	STARDOM	Device			
<b>Don't write "Test Items" under this line!!!</b>					