

"G180-G00" Qualification Vender List

Please contact FAE support for below orange blocks

Intel CPU										
Product Name	Code Name	Q-Spec	Stepping	Cache	System Bus	# of Cores	Processor Base Frequency	Max Turbo Frequency	TDP	Memory Types
Intel® Xeon® Processor E5-2600v4 series										
Intel® Xeon® Processor E5-1650 v4	Broadwell-EP	Q KVL	R0	15MB	0 GT/s	6	3.6 GHz	4 GHz	140W	DDR4-2400
Intel® Xeon® Processor E5-1660 v4	Broadwell-EP	Q KVT	R0	20MB	0 GT/s	8	3.2 GHz	3.8 GHz	140W	DDR4-2400
Intel® Xeon® Processor E5-1680 v4	Broadwell-EP	Q KVM	R0	20MB	0 GT/s	8	3.4 GHz	4 GHz	140W	DDR4-2400
Intel® Xeon® Processor E5-2608L v4	Broadwell-EP	Q KF4	R0	20MB	6.4 GT/s	8	1.6 GHz	1.7 GHz	50W	DDR4-1866
Intel® Xeon® Processor E5-2618L v4	Broadwell-EP	Q KF9	R0	25MB	8 GT/s	10	2.2 GHz	3.2 GHz	75W	DDR4-2133
Intel® Xeon® Processor E5-2628L v4	Broadwell-EP	Q K9B	M0	30MB	8 GT/s	12	1.9 GHz	2.4 GHz	75W	DDR4-2133
Intel® Xeon® Processor E5-2630L v4	Broadwell-EP	Q KEX	R0	25MB	8 GT/s	10	1.8 GHz	2.9 GHz	55W	DDR4-2133
Intel® Xeon® Processor E5-2648L v4	Broadwell-EP	Q K9C	M0	35MB	9.6 GT/s	14	1.8 GHz	2.5 GHz	75W	DDR4-2400
Intel® Xeon® Processor E5-2650L v4	Broadwell-EP	Q K93	M0	35MB	9.6 GT/s	14	1.7 GHz	2.5 GHz	65W	DDR4-2400
Intel® Xeon® Processor E5-2680 v4	Broadwell-EP	Q K92	M0	35MB	9.6 GT/s	14	2.4 GHz	3.3 GHz	120W	DDR4-2400
Intel® Xeon® Processor E5-2683 v4	Broadwell-EP	Q K7K	B0	40MB	9.6 GT/s	16	2.1 GHz	3 GHz	120W	DDR4-2400
Intel® Xeon® Processor E5-2690 v4	Broadwell-EP	Q K8X	M0	35MB	9.6 GT/s	14	2.6 GHz	3.5 GHz	135W	DDR4-2400
Intel® Xeon® Processor E5-2695 v4	Broadwell-EP	Q K3E	B0	45MB	9.6 GT/s	18	2.1 GHz	3.3 GHz	120W	DDR4-2400
Intel® Xeon® Processor E5-2697 v4	Broadwell-EP	Q K7L	B0	45MB	9.6 GT/s	18	2.3 GHz	3.6 GHz	145W	DDR4-2400
Intel® Xeon® Processor E5-2697A v4	Broadwell-EP	Q K7S	B0	40MB	9.6 GT/s	16	2.6 GHz	3.6 GHz	145W	DDR4-2400
Intel® Xeon® Processor E5-2698 v4	Broadwell-EP	Q K7M	B0	50MB	9.6 GT/s	20	2.2 GHz	3.6 GHz	135W	DDR4-2400
Intel® Xeon® Processor E5-2699 v4	Broadwell-EP	Q K7J	B0	55MB	9.6 GT/s	22	2.2 GHz	3.6 GHz	145W	DDR4-2400
Memory										
Product Name	Memory Type	Module Supplier	Size	Chip Brand	Rank	Voltage	Data Transfer Rate	Error Correction	CAS Latency	Pins
RDIMM										
HMA82GR7AFR8N-UHTD	DDR4	SK Hynix	16GB	SK Hynix	2R X8	1.2v	2400MHz	ECC Registered	17	288-pin
HMA82GR7AFR8N-UHT2	DDR4	SK Hynix	16GB	SK Hynix	2R X8	1.2v	2400MHz	ECC Registered	17	288-pin
HMA84GR7AFR4N-UHTD	DDR4	SK Hynix	32GB	SK Hynix	2R X4	1.2v	2400MHz	ECC Registered	17	288-pin
HMA84GR7AFR4N-UHT2	DDR4	SK Hynix	32GB	SK Hynix	2R X4	1.2v	2400MHz	ECC Registered	17	288-pin
HMAA8GL7AMR4N-UHTE	DDR4	SKhynix	64GB	SKhynix	4DRx4	1.2v	2400MHz	ECC Registered	17	288-pin
CT16G4RFD824A.18FB1	DDR4	Crucial	16GB	Micron	2R X8	1.2v	2400MHz	ECC Registered	17	288-pin
MTA18ASF2G72PZ-2G3B1	DDR4	Micron	16GB	Micron	2R X8	1.2v	2400MHz	ECC Registered	17	288-pin
CT32G4RFD424A.36FB1	DDR4	Crucial	32GB	Micron	2R X4	1.2v	2400MHz	ECC Registered	17	288-pin
MTA36ASF4G72PZ-2G3B1	DDR4	Micron	32GB	Micron	2R X4	1.2v	2400MHz	ECC Registered	17	288-pin
CT16G4RFD424A.36FB1	DDR4	Crucial	16GB	Micron	2R X4	1.2v	2400MHz	ECC Registered	17	288-pin
MTA36ASF2G72PZ-2G3B1	DDR4	Micron	16GB	Micron	2R X4	1.2v	2400MHz	ECC Registered	17	288-pin
CT16G4RFS424A.18FB1	DDR4	Crucial	16GB	Micron	1R X4	1.2v	2400MHz	ECC Registered	17	288-pin
MTA18ASF2G72PZ-2G3B1	DDR4	Micron	16GB	Micron	1R X4	1.2v	2400MHz	ECC Registered	17	288-pin
M393A2K40CB2-CTD	DDR4	SAMSUNG	16GB	SAMSUNG	1R X4	1.2v	2666MHz	ECC Registered	17	288-pin
CT16G4RFD8266-2G6E1	DDR4	CRUCIAL	16GB	Micron	2R X8	1.2v	2666MHz	ECC Registered	17	288-pin
CT16G4RFD8266-2G6H1	DDR4	CRUCIAL	16GB	Micron	2R X8	1.2v	2666MHz	ECC Registered	17	288-pin
Seagate HDD (SAS HDD may need RAID Card support)										
Product Name	Type	Vendor	Form Factor	Format	Capacity	Interface Speed	Series	Cache	RPM	Encryption
Seagate Enterprise Capacity 2.5 HDD										
ST2000NX0243	SATA	Seagate	2.5"	4Kn	2TB	6Gb/s	Enterprise Capacity V.3	128MB	7200	N/A
ST2000NX0283	SATA	Seagate	2.5"	4Kn	2TB	6Gb/s	Enterprise Capacity V.3	128MB	7200	N/A
ST2000NX0303	SATA	Seagate	2.5"	4Kn	1TB	6Gb/s	Enterprise Capacity V.3	128MB	7200	N/A
ST2000NX0343	SATA	Seagate	2.5"	4Kn	1TB	6Gb/s	Enterprise Capacity V.3	128MB	7200	N/A
SATA/SAS SSD										
Product Name	Type	Vendor	Form Factor	Interface	Capacity	Interface Speed	FW	Note		
SATA/SAS SSD										
SSDSC2KB480G701 (Series DC S4500)	SSD	Intel	2.5"	SATA	480GB	6Gb/s				
SSDSC2KB960G701 (Series DC S4500)	SSD	Intel	2.5"	SATA	960GB	6Gb/s				

SSDSC2KG960G701(Series DC S4600)	SSD	Intel	2.5"	SATA	960GB	6Gb/s		
MZ7KM1T9HMJP-0005 (SM863a)	SSD	Samsung	2.5"	SATA	1.92TB	6Gb/s		
SSDSC2KB480G801 (Intel® SSD D3-S4510 Series)	SSD	Intel	2.5"	SATA	480GB	6Gb/s		
SATA DOM								
Product Name	Type	Vendor	Capacity	Flash Type	Max. Channels	Max. Power Consumption	Note	
SATA III								
Innodisk SATADOM-SL 3ME4 DESSL-64GM41BC1SCB	Vertical	INNODISK	64GB	MLC	1	0.734 W		
Innodisk SATADOM-SL 3ME3 V2 DESSL-64GD09BCADCB	Vertical	INNODISK	64GB	MLC	1	1.8W		
GPGPU Card								
Product Name	Processor Cores	Memory Bandwidth (GB/sec)	OpenGL		Microsoft DirectX	Graphics Card Power (W)	NVIDIA SLI / AMD CrossFire Ready	Note
NvidiaTesla (http://www.nvidia.com/object/tesla-supercomputing-solutions.html)								
P100 (Pascal)	3584	732 GB/s	-	-	-	250 W	-	Maximum support 2pcs GPGPU
V100 (Volta)	5120	900 GB/s	-	-	-	250 W	-	Maximum support 2pcs GPGPU
P40 (Pascal)	3840	346 GB/s	-	-	-	250 W	-	Maximum support 2pcs GPGPU
P4(Pascal)	2560	192 GB/s	-	-	-	50W/75 W	-	Maximum support 2pcs GPGPU
M10 (Maxwell)	2560 (640/GPU)	-	-	-	-	225 W	-	Maximum support 2pcs GPGPU
RAID Cards								
Model	RAID-on-Chip Controller	Host Bus Type	Internal Ports	Internal Connectors	External Ports	External Connectors	Data Transfer Rates	Note
GIGABYTE Storage Cards								
CRA3338	LSI SAS 3208	PCIe- x8 Gen3 x8 bus	8	2 xMini-SAS HD for 8x SAS	-	-	12Gb/s ports	
LAN Cards								
Product Name	Connector	System Interface Type		# of Ports	System Interface Type	Data rate	Note	
GIGABYTE LAN Cards								
CLN4C42	SFP28	PCIe Gen3 x16		Dual	25Gb/s per port	Mellanox ConnectX-4		
CLN4751	QSFP+	PCIe x8 Gen3 x8		Single	40Gb/s per port	INTEL XL710		
CLN4752	QSFP+	PCIe x8 Gen3 x8		Dual	40Gb/s per port	INTEL XL710		
CLN4832	SFP+	PCIe x8 Gen2 x8		Dual	10Gb/s per port	INTEL 82599ES		