

"G190-H44" Qualification Vender List Ver:2.0

GPGPU Card

Product Name	Processor Cores	Memory Bandwidth (GB/sec)	FW	OpenGL	Microsoft DirectX	Graphics Card Power (W)	NVIDIA SLI / AMD CrossFire Ready	Note
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Intel Phi

Intel® Xeon Phi™ Coprocessor 31S1P (6GB, 1.100 GHz, 57 core)	31S1P	-	-	-	-	275 W	-	Maximum support 4pcs GPGPU
Intel® Xeon Phi™ Coprocessor 3120P (6GB, 1.100 GHz, 57 core)	3120P	240 GB/s	-	-	-	300 W	-	Maximum support 4pcs GPGPU
Intel® Xeon Phi™ Coprocessor 5110P (8GB, 1.053 GHz, 60 core)	5110P	320 GB/s	-	-	-	225 W	-	Maximum support 4pcs GPGPU
Intel® Xeon Phi™ Coprocessor 7120P (16GB, 1.238 GHz, 61 core)	7120P	352 GB/s	-	-	-	300 W	-	Maximum support 4pcs GPGPU
Intel Visual Compute Accelerator	E3-1283Lv4	-	-	-	-	235 W	-	Maximum support 4pcs GPGPU

NvidaTesla (http://www.nvidia.com/object/tesla-supercomputing-solutions.html)

Tesla M60	4096 (2048 per GPU)	480 GB/sec (240 GB/sec per GPU)	-	-	-	300 W	-	Maximum support 4pcs GPGPU
Tesla M40	3072	288 GB/sec	-	-	-	250 W	-	Maximum support 4pcs GPGPU
Tesla K80	4992 (2496 per GPU)	480 GB/sec (240 GB/sec per GPU)	-	-	-	300 W	-	Maximum support 4pcs GPGPU
Tesla K40	2880	288 GB/sec	-	-	-	235 W	-	Maximum support 4pcs GPGPU
Tesla M10	2560 (640 per GPU)	332GB/sec(8 3GB/sec per GPU)	-	-	-	225 W	-	Maximum support 3pcs GPGPU

NvidaGRID (http://www.nvidia.com/object/grid-technology.html)

GRID K2	3072	-	-	-	-	225 W	-	Maximum support 4pcs GPGPU => R2L 2pcs (rear upper), L2R 2pcs (front upper)
GRID K1	195	-	-	-	-	130 W	-	Maximum support 2pcs GPGPU

NvidaTesla (http://www.nvidia.com/object/tesla-supercomputing-solutions.html)

P40 (Pascal)	3840	346 Gbps	-	-	-	250 W	-	Maximum support 4pcs GPGPU
P100 (Pascal)	3584	732 Gbps	-	-	-	250 W	-	Maximum support 4pcs GPGPU
P4 (Pascal)	2560	192 Gbps	-	-	-	50/70 W	-	Maximum support 4pcs GPGPU
M4	1024	88Gbps	-	-	-	50/75 W	-	Maximum support 4pcs GPGPU

Intel CPU

Product Name	Code Name	Q-Spec	Stepping	Cache	System Bus	# of Cores	Processor Base Frequency	Max Turbo Frequency	TDP	Memory Types	Processor Graphics
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Intel® Xeon® Processor E5-2600v3 series

Intel® Xeon® Processor E5-2699v3 (45M Cache, 2.30 GHz)	Haswell	Q GN1	C1	45 MB	9.6 GT/s	18	2.3 GHz	3.6 GHz	145 W	DDR4-1600/1866/2133	None
Intel® Xeon® Processor E5-2698v3 (40M Cache, 2.30 GHz)	Haswell	QGN2	C1	40 MB	9.6 GT/s	16	2.3 GHz	3.6 GHz	135 W	DDR4-1600/1866/2133	None
Intel® Xeon® Processor E5-2697v3 (35M Cache, 2.60 GHz)	Haswell	Q GN3	C1	35 MB	9.6 GT/s	14	2.6 GHz	3.6 GHz	145 W	DDR4-1600/1866/2133	None
Intel® Xeon® Processor E5-2695v3 (35M Cache, 2.30 GHz)	Haswell	Q GN4	C1	35 MB	9.6 GT/s	14	2.3 GHz	3.3 GHz	120 W	DDR4-1600/1866/2133	None
Intel® Xeon® Processor E5-2690v3 (30M Cache, 2.60 GHz)	Haswell	Q GNY	M1	30 MB	9.6 GT/s	12	2.6 GHz	3.5 GHz	135 W	DDR4-1600/1866/2133	None

Intel® Xeon® Processor E5-2683v3 (35M Cache, 2.00 GHz)	Haswell	Q GN5	C1	35 MB	9.6 GT/s	14	2 GHz	3 GHz	120 W	DDR4-1600/1866/2133	None
Intel® Xeon® Processor E5-2680v3 (30M Cache, 2.50 GHz)	Haswell	Q GNZ	M1	30 MB	9.6 GT/s	12	2.5 GHz	3.3 GHz	120 W	DDR4-1600/1866/2133	None
Intel® Xeon® Processor E5-2670v3 (30M Cache, 2.30 GHz)	Haswell	Q GP2	M1	30 MB	9.6 GT/s	12	2.3 GHz	3.1 GHz	120 W	DDR4-1600/1866/2133	None
Intel® Xeon® Processor E5-2667v3 (20M Cache, 3.20 GHz)	Haswell	Q GSQ	R2	20 MB	9.6 GT/s	8	3.2 GHz	3.6 GHz	135 W	DDR4-1600/1866/2133	None
Intel® Xeon® Processor E5-2660v3 (25M Cache, 2.60 GHz)	Haswell	Q GP1	M1	25 MB	9.6 GT/s	10	2.6 GHz	3.3 GHz	105 W	DDR4-1600/1866/2133	None
Intel® Xeon® Processor E5-2650Lv3 (30M Cache, 1.80 GHz)	Haswell	Q GPB	M1	30 MB	9.6 GT/s	12	1.8 GHz	2.5 GHz	65 W	DDR4-1600/1866/2133	None
Intel® Xeon® Processor E5-2650v3 (25M Cache, 2.30 GHz)	Haswell	Q GPL	M1	25 MB	9.6 GT/s	10	2.3 GHz	3 GHz	105 W	DDR4-1600/1866/2133	None
Intel® Xeon® Processor E5-2643v3 (20M Cache, 3.40 GHz)	Haswell	Q GSR	R2	20 MB	9.6 GT/s	6	3.4 GHz	3.7 GHz	135 W	DDR4-1600/1866/2133	None
Intel® Xeon® Processor E5-2640v3 (20M Cache, 2.60 GHz)	Haswell	Q GSF	R2	20 MB	8 GT/s	8	2.6 GHz	3.4 GHz	90 W	DDR4-1600/1866	None
Intel® Xeon® Processor E5-2637v3 (15M Cache, 3.50 GHz)	Haswell	Q GSP	R2	15 MB	9.6 GT/s	4	3.5 GHz	3.7 GHz	135 W	DDR4-1600/1866/2133	None
Intel® Xeon® Processor E5-2630Lv3 (20M Cache, 1.80 GHz)	Haswell	Q GST	R2	20 MB	8 GT/s	8	1.8 GHz	2.9 GHz	55 W	DDR4-1600/1866	None
Intel® Xeon® Processor E5-2630v3 (20M Cache, 2.40 GHz)	Haswell	Q GZX	R2	20 MB	8 GT/s	8	2.4 GHz	3.2 GHz	85 W	DDR4-1600/1866	None
Intel® Xeon® Processor E5-2623v3 (10M Cache, 3.00 GHz)	Haswell	Q GSS	R2	10 MB	8 GT/s	4	3 GHz	3.5 GHz	105 W	DDR4-1600/1866	None
Intel® Xeon® Processor E5-2620v3 (15M Cache, 2.40 GHz)	Haswell	Q GSH	R2	15 MB	8 GT/s	6	2.4 GHz	3.2 GHz	85 W	DDR4-1600/1866	None
Intel® Xeon® Processor E5-2609v3 (15M Cache, 1.90 GHz)	Haswell	Q GPN	M1	15 MB	6.4 GT/s	6	1.9 GHz	None	85 W	DDR4-1600	None
Intel® Xeon® Processor E5-2603v3 (15M Cache, 1.60 GHz)	Haswell	Q GSK	R2	15 MB	6.4 GT/s	6	1.6 GHz	None	85 W	DDR4-1600	None

Intel CPU

Intel® Xeon® Processor E5-2600v4 series

Product Name	Code Name	Q-Spec	Stepping	Cache	System Bus	# of Cores	Processor Base Frequency	Max Turbo Frequency	TDP	Memory Types	Processor Graphics
Intel® Xeon® Processor E5-2603v4	Broadwell-EP	Q KEV	R0			6	1.7 GHz		85W(82W)	DDR4	
Intel® Xeon® Processor E5-2608Lv4	Broadwell-EP	Q KF4	R0			8	1.6 GHz		50W(47W)	DDR4	None
Intel® Xeon® Processor E5-2609v4	Broadwell-EP	Q KEW	R0			8	1.7 GHz		85W(46W)	DDR4	
Intel® Xeon® Processor E5-2618Lv4	Broadwell-EP	Q KF9	R0			10	2.2 GHz	3.2GHz	75W	DDR4	None
Intel® Xeon® Processor E5-2620v4	Broadwell-EP	Q KES	R0			8	2.1 GHz		85W(82W)	DDR4	
Intel® Xeon® Processor E5-2623v4	Broadwell-EP	Q KFD	R0			4	2.6 GHz		85W(48W)	DDR4	
Intel® Xeon® Processor E5-2628Lv4	Broadwell-EP	Q K9B	M0			12	1.9 GHz	2.4GHz	75W	DDR4	None

Intel® Xeon® Processor E5-2630Lv4	Broadwell-EP	Q KEX	R0			10	1.8 GHz	2.9GHz	55W	DDR4	None
Intel® Xeon® Processor E5-2630v4	Broadwell-EP	Q KET	R0			10	2.2 GHz	3.2GHz	85W	DDR4	None
Intel® Xeon® Processor E5-2637v4	Broadwell-EP	Q KEY	R0			4	3.5 GHz		135W(108W)	DDR4	None
Intel® Xeon® Processor E5-2640v4	Broadwell-EP	Q KEU	R0			10	2.4 GHz	3.4GHz	90W	DDR4	None
Intel® Xeon® Processor E5-2643 v4	Broadwell-EP	QKEZ	R0			6	3.5 GHz		135W	DDR4	
Intel® Xeon® Processor E5-2648Lv4	Broadwell-EP	Q K9C	M0			14	1.8 GHz	2.5GHz	75W	DDR4	None
Intel® Xeon® Processor E5-2650Lv4	Broadwell-EP	Q K93	M0			14	1.7 GHz	2.5GHz	65W	DDR4	None
Intel® Xeon® Processor E5-2650v4	Broadwell-EP	Q K8Y	M0			12	2.2 GHz	3.2GHz	105W	DDR4	None
Intel® Xeon® Processor E5-2658v4	Broadwell-EP	Q K9A	M0			14	2.3 GHz	2.8GHz	105W	DDR4	None
Intel® Xeon® Processor E5-2660v4	Broadwell-EP	Q K8Z	M0			14	2.0 GHz	3.2GHz	105W	DDR4	None
Intel® Xeon® Processor E5-2667 v4	Broadwell-EP	QKF0	R0			8	3.2 GHz	3.6GHz	135W	DDR4	None
Intel® Xeon® Processor E5-2680v4	Broadwell-EP	Q K92	M0			14	2.4 GHz	3.3GHz	120W	DDR4	None
Intel® Xeon® Processor E5-2683v4	Broadwell-EP	Q K7K	B0			16	2.1 GHz	3.0GHz	120W	DDR4	None
Intel® Xeon® Processor E5-2690v4	Broadwell-EP	Q K8X	M0			14	2.6 GHz	3.5GHz	135W	DDR4	None
Intel® Xeon® Processor E5-2695v4	Broadwell-EP	Q K3E	B0			18	2.1 GHz	3.3 GHz	120W	DDR4-2400	None
Intel® Xeon® Processor E5-2697v4	Broadwell-EP	Q K7L	B0			18	2.3 GHz	3.6GHz	145W	DDR4	None
Intel® Xeon® Processor E5-2697Av4	Broadwell-EP	Q K7S	B0			18	2.3 GHz	3.6GHz	145W	DDR4	None
Intel® Xeon® Processor E5-2698v4	Broadwell-EP	Q K7M	B0			20	2.2 GHz	3.6GHz	135W	DDR4	None
Intel® Xeon® Processor E5-2699v4	Broadwell-EP	Q K7J	B0			22	2.2 GHz	3.6GHz	145W	DDR4	None
Memory											
Product Name	Memory Type	Module Supplier	Size	Chip Brand	Rank	Voltage	Data Transfer Rate	Error Correction	CAS Latency	Pins	Note
RDIMM											
M393A4K40BB0-CPB	DDR4	SAMSUNG	32GB	Samsung	2R	1.2v	2133MHz	ECC Registered	15	288-pin	
T4D4R10H62158	DDR4	TeamGroup	8GB			1.2v	2133MHz	ECC Registered	15	288-pin	
T4D6R10S62000	DDR4	TeamGroup	8GB			1.2v	2133MHz	ECC Registered	15	288-pin	
T4E1R10S62000	DDR4	TeamGroup	16GB	Samsung		1.2v	2133MHz	ECC Registered	15	288-pin	

HMA84GR7MFR4N-TFTD	DDR4	HYNIX	32GB	SKhynix	2R	1.2v	2133MHz	ECC Registered	15	288-pin	
HMA42GR7MFR4N-TF TD	DDR4	HYNIX	16GB		2R	1.2v	2133MHz	ECC Registered	15	288-pin	
HMA81GR7AFR8N-UH TD	DDR4	SK Hynix	8GB	SKhynix	1Rx8	1.2v	2400MHz	ECC Registered	17	288-pin	
HMA82GR7AFR8N-UHTD	DDR4	SKhynix	16GB	SKhynix	2R X8	1.2v	2400MHz	ECC Registered	17	288-pin	
J4AGR1G8PGXC	DDR4	MBG-JBM	16GB	SKhynix	2R X8	1.2v	2400MHz	ECC Registered	17	288-pin	
HMA82GR7AFR8N-UHT2	DDR4	SKhynix	16GB	SKhynix	2R X8	1.2v	2400MHz	ECC Registered	17	288-pin	
HMA84GR7AFR4N-UHTD	DDR4	SKhynix	32GB	SKhynix	2R X4	1.2v	2400MHz	ECC Registered	17	288-pin	
J4BGRH2G4PGXC	DDR4	MBG-JBM	32GB	SKhynix	2R X4	1.2v	2400MHz	ECC Registered	17	288-pin	
HMA84GR7AFR4N-UHT2	DDR4	SKhynix	32GB	SKhynix	2R X4	1.2v	2400MHz	ECC Registered	17	288-pin	
CT4G4RFS8213.9FA2	DDR4	CRUCIAL	4GB		1R	1.2v	2133MHz	ECC Registered	15	288-pin	
CT8G4RFD8213.18FA1	DDR4	CRUCIAL	8GB		2R	1.2v	2133MHz	ECC Registered	15	288-pin	
CT32G4LFQ4213.36DA1	DDR4	CRUCIAL	32GB		4R	1.2v	2133MHz	ECC Registered	15	288-pin	
CT16G4RFD824A.18FA1	DDR4	CRUCIAL	16GB	Micron	2R	1.2v	2400MHz	ECC Registered	17	288-pin	
CT16G4RFS424A.18FA1	DDR4	CRUCIAL	16GB	Micron	2R	1.2v	2400MHz	ECC Registered	17	288-pin	
CT16G4RFS424A.18FA3	DDR4	CRUCIAL	16GB	Micron	2R	1.2v	2400MHz	ECC Registered	17	288-pin	
MTA36ASF4G72PZ-2G1A1IG	DDR4	Micron	32GB	Micron	2R	1.2v	2133MHz	ECC Registered	15	288-pin	
CT32G4RFD4213.36FA1	DDR4	CRUCIAL	32GB	Micron	2R	1.2v	2133MHz	ECC Registered	15	288-pin	
75.CA3G0.G000B	DDR4	Apacer	8GB			1.2v	2133MHz	ECC Registered	15	288-pin	
CMA6-3GA01CAR01MEO	DDR4	acpi	8GB			1.2v	2133MHz	ECC Registered	15	288-pin	
M393A2K43BB1-CRC0Q	DDR4	SAMSUNG	16GB	Samsung	2R X8	1.2v	2400MHz	ECC Registered	17	288-pin	
M4R0-AGS1BCSJ	DDR4	INNODISK	16GB	Samsung	2R X8	1.2V	2400MHz	ECC Registered	17	288-pin	
KVR21R15S4/8	DDR4	SAMSUNG	32GB	Samsung	2R	1.2v	2133MHz	ECC Registered	15	288-pin	
CT16G4RFD424A.36FA3	DDR4	Crucial	16GB	Micron	DR X8	1.2V	2400MHz	ECC Registered	17	288-pin	
MTA36ASF2G72PZ-2G3A3II	DDR4	Micron	16GB	Micron	2R X4	1.2V	2400MHz	ECC Registered	17	288-pin	
CT8G4RFS424A.18FA3	DDR4	Crucial	8GB	Micron	DR X8	1.2V	2400MHz	ECC Registered	17	288-pin	
MTA18ASF1G72PZ-2G3A3IG	DDR4	Micron	8GB	Micron	1R X4	1.2V	2400MHz	ECC Registered	17	288-pin	

KVR21R15S4/8HA	DDR4	Kingston	8GB	SKhynix	1R	1.2v	2133MHz	ECC Registered	15	288-pin	
KVR21R15D4/16HA	DDR4	Kingston	16GB	SKhynix	2R	1.2v	2133MHz	ECC Registered	15	288-pin	
KVR21R15D8/8	DDR4	Kingston	8GB	SKhynix	2Rx8	1.2v	2133MHz	ECC Registered	15	288-pin	
KVR21L15Q4/32	DDR4	Kingston	32GB	SKhynix	4Rx4	1.2v	2133MHz	ECC Registered	15	288-pin	
KVR21E15S8/4HA	DDR4	Kingston	4 GB	SKhynix	1R	1.2v	2133MHz	ECC Registered	15	288-pin	
M4R0-AGS3ECSJ	DDR4	INNODISK	16GB	Samsung	1.2V	1.2V	2400MHz	ECC Registered	17	288-pin	
M393A2K40BB1-CRC0Q	DDR4	SAMSUNG	16GB	Samsung	1.2V	1.2V	2400MHz	ECC Registered	17	288-pin	
TR16G18C15-093E	DDR4	V-Color	16GB		1.2V	1.2V	2133MHz	ECC Registered	15	288-pin	
M4R0-BGS3GCSJ	DDR4	INNODISK	32GB	Samsung	2R X4	1.2V	2400MHz	ECC Registered	17	288-pin	
M393A4K40BB1-CRC0Q	DDR4	SAMSUNG	32GB	Samsung	2R X4	1.2V	2400MHz	ECC Registered	17	288-pin	
M4R0-AGCQGCRG	DDR4	INNODISK	16GB	ESSENCOR E		1.2v	2133MHz	ECC Registered	15	288-pin	
M4R0-BGC3GCRG	DDR4	INNODISK	16GB	ESSENCOR E		1.2v	2133MHz	ECC Registered	15	288-pin	
M4R0-8GSQECSJ	DDR4	INNODISK	8GB	Samsung	1R X4	1.2V	2400MHz	ECC Registered	17	288-pin	
CT16G4RFD824A.18FB1	DDR4	Crucial	16GB	Micron	2R X8	1.2v	2133MHz	ECC Registered	15	288-pin	
MTA18ASF2G72PDZ 2G3B1RG	DDR4	Micron	16GB	Micron	2R X8	1.2v	2133MHz	ECC Registered	15	288-pin	
CT32G4RFD424A.36FB1	DDR4	Crucial	32GB	Micron	2R X4	1.2v	2133MHz	ECC Registered	15	288-pin	
MTA36ASF4G72PZ-2G3B1MG	DDR4	Micron	32GB	Micron	2R X4	1.2v	2400MHz	ECC Registered	17	288-pin	
CT8G4RFS424A.18FB1	DDR4	Crucial	8GB	Micron	1RX4	1.2v	2400MHz	ECC Registered	17	288-pin	
MTA18ASF1G72PZ-2G3B1QG	DDR4	Micron	8GB	Micron	1RX4	1.2v	2400MHz	ECC Registered	17	288-pin	
CT16G4RFS424A.18FB1	DDR4	Crucial	16GB	Micron	1RX4	1.2V	2400MHz	ECC Registered	17	288-pin	
MTA18ASF2G72PZ-2G3B1IG	DDR4	Micron	16GB	Micron	1RX4	1.2V	2400MHz	ECC Registered	17	288-pin	
CT16G4RFD424A.36FB1	DDR4	Crucial	16GB	Micron	2R X4	1.2V	2400MHz	ECC Registered	17	288-pin	
MT36ASF2G72PZ-2G3B1QK	DDR4	Micron	16GB	Micron	2R X4	1.2V	2400MHz	ECC Registered	17	288-pin	
VP9MR2G7228JBJSB	DDR5	Viking	16GB	Samsung	2R X8	1.2v	2400MHz	ECC Registered	17	288-pin	
VP9MR4G7224JBJSB	DDR5	Viking	32GB	Samsung	2R X4	1.2v	2400MHz	ECC Registered	17	288-pin	
CT16G4RFS424A.18FA3	DDR4	Crucial	16GB	Micron	DR X8	1.2v	2400MHz	ECC Registered	17	288-pin	

CT8G4RFS824A.2G3B1	DDR4	Crucial	8GB	Micron	1R X8	1.2v	2400MHz	ECC Registered	17	288-pin	Just test this DIMM to cover
MTA9ASF1G72PZ-2G3B1MG	DDR4	Micron	8GB	Micron-Monta	1R X8	1.2v	2400MHz	ECC Registered	17	288-pin	Same as above
TR416G24S417	DDR4	V-color	16GB		1Rx4	1.2v	2400MHz	ECC Registered		288-pin	
TR432G24D417	DDR4	V-color	32GB		2Rx4	1.2v	2400MHz	ECC Registered		288-pin	
M4R0-8GSSBCSJ	DDR4	Innodisk	8GB		2Rx8	1.2v	2400MHz	ECC Registered		288-pin	
CT32G4RFD424A.2G3B1	DDR4	Crucial	32GB	Micron	2R X4	1.2v	2400MHz	ECC Registered	17	288-pin	Just test this DIMM to cover
CT32G4RFD424A.36FB1	DDR4	Crucial	32GB	Micron	2R X4	1.2v	2400MHz	ECC Registered	17	288-pin	Same as above
MTA36ASF4G72PZ-2G3B1MG	DDR4	Micron	32GB	Micron	2R X4	1.2v	2400MHz	ECC Registered	17	288-pin	Same as above
CT16G4RFD8266-2G6H1.001	DDR4	CRUCIAL	16GB		2Rx8	1.2v	2666MHz	ECC Registered	19	288-pin	For Intel Purley support; Just test this DIMM to cover
MTA18ASF2G72PDZ-2G6H1QG	DDR4	Micron	16GB		2Rx8	1.2v	2666MHz	ECC Registered	19	288-pin	For Intel Purley support, Same as above
CT32G4RFD4266-2G6H1.001	DDR4	CRUCIAL	32GB		2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin	For Intel Purley support; Just test this DIMM to cover
MTA36ASF4G72PZ-2G6H1QG	DDR4	Micron	32GB		2Rx4	1.2v	2666MHz	ECC Registered	19	288-pin	For Intel Purley support, Same as above

Product Name	Memory Type	Module Supplier	Size	Chip Brand	Rank	Voltage	Data Transfer Rate	Error Correction	CAS Latency	Pins	Note
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LRDIMM

M386A8K40BM1-CRC4Q M	DDR4	Samsung	64GB	Samsung	4DRx4	1.2v	2400MHz	ECC Unbuffer	17	288-pin	
HMAA8GL7AMR4N-UHTE	DDR4	SKhynix	64GB	SKhynix	4DRx4	1.2v	2400MHz	ECC Unbuffer	17	288-pin	
CT32G4LFD424A.2G3B1	DDR4	Crucial	32GB	Micron	2R X4	1.2v	2400MHz	ECC Registered	17	288-pin	Just test this DIMM to cover
MTA36ASF4G72LZ-2G3B1MG	DDR4	Micron	32GB	Micron	2R X4	1.2v	2400MHz	ECC Registered	17	288-pin	Same as above

Seagate HDD

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

ST9250610NS	SATA	Seagate	2.5"	N/A	250GB	6Gb/s	Constellation 2	64MB	7200	N/A	SN02
ST2000NX0253	SATA	Seagate	2.5"	N/A	2TB	6Gb/s	Constellation 2	128MB	7200	N/A	SN02

Seagate Enterprise Performance 15K HDD

ST9146853SS	SAS	Seagate	2.5"	N/A	146GB	6Gb/s	15K.3	64MB	15k	N/A	0002
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WD HDD

Product Name	Type	Vendor	Form Factor	Format	Capacity	Interface Speed	Series	Cache	RPM	Encryption	FW
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Datacenter

WD3001BKHG-02D22V1	SAS	WD	2.5"	N/A	300G	6Gb/s	WD Xe	32MB	10K	N/A	02D22V1
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Workstation

WD2500BHTZ-04JCPV0	SATA	WD	2.5"	N/A	250GB	6Gb/s	WD VelociRaptor	64MB	10K	N/A	04JCPV0
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SSD

Product Name	Type	Vendor	Form Factor	Interface	Capacity	Interface Speed	FW	Note
SKC400S37-256G	SSD	Kingston	SATA	2.5"	256GB	6Gb/s		
ASR1010SS-480GM	SSD	ADATA	SATA	2.5"	480GB	6Gb/s		
PX04PMC320	SSD	Toshiba	NVMe	PCI-E	3.2T	-		
SSDPEDMD400G4	SSD	Intel	NVMe	PCI-E 3.0	400GB	-		
SSDPEDMD400G4	SSD	Intel	NVMe	PCI-E 3.0	400GB	-		
SSDPEDME400G4	SSD	Intel	NVMe	PCI-E 3.0	400GB	-		
ASX1000LS7-240GM	SSD	ADATA	SATA	2.5"	240GB	6Gb/s		
XF1212-1A0512	SSD	Seagate	SATA	2.5"	480GB	-		
ASR1010SS-480GM	SSD	ADATA	SATA	2.5"	480GB	6Gb/s		
XA960LE10063	SSD	Seagate	2.5"	SATA	960GB	6Gb/s		
XA480LE10103	SSD	Seagate	2.5"	SATA	480GB	6Gb/s		
1.8" SATA SSD								
Product Name	Type	Vendor	Form Factor	Interface	Capacity	Interface Speed	FW	Note
Hard drive								
Intel SSD DC S3500 Series SDSC1NB080G4 80GB 1.8" HDD	SSD	Intel	SATA	1.8'	400GB	-		
Innodisk DRS18-A28D67RC1QC 128GB 1.8" HDD	SSD	Innodisk	SATA	1.8'	480GB	-		
LAN Cards								
Product Name	Connector	Power consumption	FW	# of Ports	System Interface Type	Data rate	Note	
GIGABYTE LAN Cards								
GC-MNXE21	SFP+	-		Dual	PCIe x8 Gen3 x8	10Gb/s per port		
GC-MLBZ1	SFP+	-		Dual	PCIe x8 Gen2 x8	10Gb/s per port		
CLN4832	SFP+	-		Dual	PCIe x8 Gen2 x8	10Gb/s per port	INTEL 82599ES	
CLN4C42	SFP28	-		Dual	PCIe Gen3 x16	25Gb/s per port	Mellanox ConnectX-4	
USB Device								
Product Name	Type	Vendor	Capacity	Note				
USB 3.0								
GoFlex STAA500305	HDD	Seagate	500G					
TOSHIBA CANVIO BASIC	HDD	Toshiba	500G					
EXTEK BYTECC-ME535U3	Blue-ray	Pioneer						
NU EBC113	Blue-ray	NU						
NU ESW863 8X SLIM	DVD	NU						
SILICON POWER BLAZE B10 16GB	Flash	SILICON	16G					
S1-DS3 TURBO	Device	CyberSLIM						
NA317U+	Device	ineo						