

"G211-H4G" Qualification Vender List Ver:2.0											
Intel CPU											
Product Name	Code Name	Q-Spec	Stepping	Cache	system Bus	# of Cores	Processor Base Frequncn	Max Turbo Frequncn	TDP	Memorn Tnpes	Processor Graphics
Intel® Xeon® Processor E3-1200v6 series											
Intel® Xeon® Processor E3-1220v6	Kabylake-S	QKHR	B0	6MB	8 GT/s	4	3.0 GHz	3.5 GHz	72W	DDR4-2400	None
Intel® Xeon® Processor E3-1225v6	Kabylake-S	QKHN	B0	6MB	8 GT/s	4	3.3 GHz	3.7 GHz	73W	DDR4-2400	Intel® HD Graphics P630 (Graphic function can not be used)
Intel® Xeon® Processor E3-1230v6	Kabylake-S	QKHV	B0	6MB	8 GT/s	4	3.5 GHz	3.9 GHz	72W	DDR4-2400	None
Intel® Xeon® Processor E3-1240v6	Kabylake-S	QKHU	B0	6MB	8 GT/s	4	3.7GHz	4.1 GHz	72W	DDR4-2400	None
Intel® Xeon® Processor E3-1245v6	Kabylake-S	QKHQ	B0	6MB	8 GT/s	4	3.7GHz	4.1 GHz	73W	DDR4-2400	Intel® HD Graphics P630 (Graphic function can not be used)
Intel® Xeon® Processor E3-1270v6	Kabylake-S	QKHT	B0	6MB	8 GT/s	4	3.8 GHz	4.2 GHz	72W	DDR4-2400	None
Intel® Xeon® Processor E3-1275v6	Kabylake-S	QKHP	B0	6MB	8 GT/s	4	3.8 GHz	4.2 GHz	73W	DDR4-2400	Intel® HD Graphics P630 (Graphic function can not be used)
Intel® Xeon® Processor E3-1280v6	Kabylake-S	QKHS	B0	6MB	8 GT/s	4	3.9GHz	4.2 GHz	72W	DDR4-2400	None
7th Generation Intel® Core™ i7/i5 Processors series (UDIMM ECC memory support only)											
Intel® Core™ i5-7400 Processor (6M Cache, 3.50 GHz)	Kabylake-DT	QKZQ	B0	6 MB	8 GT/s	4	3.0 GHz	3.5 GHz	65 W	DDR4-2400	Intel® HD Graphics 630 (Graphic function can not be used)
Intel® Core™ i5-7400T Processor (6M Cache, 3.00 GHz)	Kabylake-DT	QKHH	B0	6 MB	8 GT/s	4	2.4 GHz	3.0 GHz	35 W	DDR4-2400	Intel® HD Graphics 630 (Graphic function can not be used)
Intel® Core™ i5-7500 Processor (6M Cache, 3.80 GHz)	Kabylake-DT	QKHC	B0	6 MB	8 GT/s	4	3.4 GHz	3.8 GHz	65 W	DDR4-2400	Intel® HD Graphics 630 (Graphic function can not be used)
Intel® Core™ i5-7500T Processor (6M Cache, 3.30 GHz)	Kabylake-DT	QKHG	B0	6 MB	8 GT/s	4	2.7 GHz	3.3 GHz	35 W	DDR4-2400	Intel® HD Graphics 630 (Graphic function can not be used)
Intel® Core™ i5-7600 Processor (6M Cache, 4.10 GHz)	Kabylake-DT	QKHB	B0	6 MB	8 GT/s	4	3.5 GHz	4.1 GHz	65 W	DDR4-2400	Intel® HD Graphics 630 (Graphic function can not be used)
Intel® Core™ i5-7600T Processor (6M Cache, 3.70 GHz)	Kabylake-DT	QKHF	B0	6 MB	8 GT/s	4	2.8 GHz	3.7 GHz	35 W	DDR4-2400	Intel® HD Graphics 630 (Graphic function can not be used)
Intel® Core™ i7-7700 Processor (8M Cache, 4.20 GHz)	Kabylake-DT	QKHA	B0	8 MB	8 GT/s	4	3.6 GHz	4.2 GHz	65 W	DDR4-2400	Intel® HD Graphics 630 (Graphic function can not be used)
Intel® Core™ i7-7700T Processor (8M Cache, 3.80 GHz)	Kabylake-DT	QKHE	B0	8 MB	8 GT/s	4	2.9 GHz	3.8 GHz	35 W	DDR4-2400	Intel® HD Graphics 630 (Graphic function can not be used)
7th Generation Intel® Core™ i3/Pentium/Celeron Processors (UDIMM ECC memory support only)											
Intel® Core™ i3-7300 Processor (4M Cache, 4.00 GHz)	Kabylake-DT	QL35	S0	4 MB	8 GT/s	2	4.0 GHz	None	51 W	DDR4-2400	Intel® HD Graphics 630 (Graphic function can not be used)
Intel® Core™ i3-7300T Processor (4M Cache, 3.50 GHz)	Kabylake-DT	QL3M	S0	4 MB	8 GT/s	2	3.5 GHz	None	35 W	DDR4-2400	Intel® HD Graphics 630 (Graphic function can not be used)
Intel® Core™ i3-7320 Processor (4M Cache, 4.10 GHz)	Kabylake-DT	QL34	S0	4 MB	8 GT/s	2	4.1 GHz	None	51 W	DDR4-2400	Intel® HD Graphics 630 (Graphic function can not be used)
Intel® Core™ i3-7100 Processor (3M Cache, 3.90 GHz)	Kabylake-DT	QL38	S0	3 MB	8 GT/s	2	3.9 GHz	None	51 W	DDR4-2400	Intel® HD Graphics 630 (Graphic function can not be used)
Intel® Core™ i3-7100T Processor (3M Cache, 3.40 GHz)	Kabylake-DT	QL3P	S0	3 MB	8 GT/s	2	3.4 GHz	None	35 W	DDR4-2400	Intel® HD Graphics 630 (Graphic function can not be used)
Intel® Pentium® Processor G4620 (3M Cache, 3.70 GHz)	Kabylake-DT	QL3A	S0	3 MB	8 GT/s	2	3.7 GHz	None	51 W	DDR4-2400	Intel® HD Graphics 630 (Graphic function can not be used)
Intel® Pentium® Processor G4600 (3M Cache, 3.60 GHz)	Kabylake-DT	QL3B	S0	3 MB	8 GT/s	2	3.6 GHz	None	51 W	DDR4-2400	Intel® HD Graphics 630 (Graphic function can not be used)
Intel® Pentium® Processor G4600T (3M Cache, 3.00 GHz)	Kabylake-DT	QL3R	S0	3 MB	8 GT/s	2	3.0 GHz	None	35 W	DDR4-2400	Intel® HD Graphics 630 (Graphic function can not be used)
Intel® Pentium® Processor G4560 (3M Cache, 3.50 GHz)	Kabylake-DT	QKZZ	B0	3 MB	8 GT/s	2	3.5 GHz	None	54 W	DDR4-2400	Intel® HD Graphics 610 (Graphic function can not be used)

Intel® Pentium® Processor G4560T (3M Cache, 2.90 GHz)	SKYLAKE-DT	QL3T	S0	3 MB	8 GT/s	2	2.9 GHz	None	35 W	DDR4-2400	Intel® HD Graphics 610 (Graphic function can not be used)
Intel® Celeron® Processor G3930 (2M Cache, 2.90 GHz)	SKYLAKE-DT	QL3H	S0	2 MB	8 GT/s	2	2.9 GHz	None	51W	DDR4-2133	Intel® HD Graphics 610 (Graphic function can not be used)
Intel® Celeron® Processor G3930T (2M Cache, 2.70 GHz)	SKYLAKE-DT	QL3V	S0	2 MB	8 GT/s	2	2.7 GHz	None	35 W	DDR4-2133	Intel® HD Graphics 610 (Graphic function can not be used)
Intel® Celeron® Processor G3950 (2M Cache, 3.00 GHz)	SKYLAKE-DT	QL3G	S0	2 MB	8 GT/s	2	3.0 GHz	None	51 W	DDR4-2133	Intel® HD Graphics 610 (Graphic function can not be used)
Intel® Xeon® Processor E3-1200v5 series											
Intel® Xeon® Processor E3-1220v5	SKnLAKE-S	Q JFX	R0	8MB	8 GT/s	4	3.0 GHz	3.5 GHz	80W	DDR4-2133	None
Intel® Xeon® Processor E3-1225v5	SKnLAKE-S	SR2CS	R0	8MB	8 GT/s	4	3.3 GHz	3.7 GHz	80W	DDR4-2133	Intel® HD Graphics P530 (Graphic function can not be used)
Intel® Xeon® Processor E3-1230v5	SKnLAKE-S	Q J79	R0	8MB	8 GT/s	4	3.4 GHz	3.8 GHz	80W	DDR4-2133	None
Intel® Xeon® Processor E3-1235Lv5	SKnLAKE-S	SR2CV	R0	8MB	8 GT/s	4	2.0 GHz	3.0 GHz	25W	DDR4-2133	Intel® HD Graphics P530 (Graphic function can not be used)
Intel® Xeon® Processor E3-1240Lv5	SKnLAKE-S	Q JHG	R0	8MB	8 GT/s	4	2.1 GHz	3.2 GHz	25W	DDR4-2133	None
Intel® Xeon® Processor E3-1240v5	SKnLAKE-S	Q J78	R0	8MB	8 GT/s	4	3.5 GHz	3.9 GHz	80W	DDR4-2133	None
Intel® Xeon® Processor E3-1245v5	SKnLAKE-S	SR2CU	R0	8MB	8 GT/s	4	3.5 GHz	3.9 GHz	80W	DDR4-2133	Intel® HD Graphics P530 (Graphic function can not be used)
Intel® Xeon® Processor E3-1260Lv5	SKnLAKE-S	Q JGT	R0	8MB	8 GT/s	4	2.9 GHz	3.9 GHz	45W	DDR4-2133	None
Intel® Xeon® Processor E3-1270v5	SKnLAKE-S	Q J7A	R0	8MB	8 GT/s	4	3.6 GHz	4.0 GHz	80W	DDR4-2133	None
Intel® Xeon® Processor E3-1275v5	SKnLAKE-S	SR2CT	R0	8MB	8 GT/s	4	3.6 GHz	4.0 GHz	80W	DDR4-2133	Intel® HD Graphics P530 (Graphic function can not be used)
Intel® Xeon® Processor E3-1280v5	SKnLAKE-S	Q JHF	R0	8MB	8 GT/s	4	3.7 GHz	4.0 GHz	80W	DDR4-2133	None
6th Generation Intel® Core™ i7/i5 Processors series (UDIMM ECC memory support only)											
Intel® Core™ i5-6400 Processor (6M Cache, 3.30 GHz)	SKyLAKE-DT	QJEH	R0	6 MB	8 GT/s	4	2.7 GHz	3.3 GHz	65 W	DDR4-2133	Intel® HD Graphics 530 (Graphic function can not be used)
Intel® Core™ i5-6400T Processor (6M Cache, 2.80 GHz)	SKyLAKE-DT	QJE7	R0	6 MB	8 GT/s	4	2.2 GHz	2.8 GHz	35 W	DDR4-2133	Intel® HD Graphics 530 (Graphic function can not be used)
Intel® Core™ i5-6500 Processor (6M Cache, 3.60 GHz)	SKyLAKE-DT	QJEF	R0	6 MB	8 GT/s	4	3.2 GHz	3.6 GHz	65 W	DDR4-2133	Intel® HD Graphics 530 (Graphic function can not be used)
Intel® Core™ i5-6500T Processor (6M Cache, 3.10 GHz)	SKyLAKE-DT	QJEJ	R0	6 MB	8 GT/s	4	2.5 GHz	3.1 GHz	35 W	DDR4-2133	Intel® HD Graphics 530 (Graphic function can not be used)
Intel® Core™ i5-6600 Processor (6M Cache, 3.90 GHz)	SKyLAKE-DT	QJEE	R0	6 MB	8 GT/s	4	3.3 GHz	3.9 GHz	65 W	DDR4-2133	Intel® HD Graphics 530 (Graphic function can not be used)
Intel® Core™ i5-6600T Processor (6M Cache, 3.50 GHz)	SKyLAKE-DT	QJEK	R0	6 MB	8 GT/s	4	2.7 GHz	3.5 GHz	35 W	DDR4-2133	Intel® HD Graphics 530 (Graphic function can not be used)
Intel® Core™ i7-6700 Processor (8M Cache, 4.00 GHz)	SKyLAKE-DT	QJE9	R0	8 MB	8 GT/s	4	3.4 GHz	4.0 GHz	65 W	DDR4-2133	Intel® HD Graphics 530 (Graphic function can not be used)
Intel® Core™ i7-6700T Processor (8M Cache, 3.60 GHz)	SKyLAKE-DT	QJEB	R0	8 MB	8 GT/s	4	2.8 GHz	3.6 GHz	35 W	DDR4-2133	Intel® HD Graphics 530 (Graphic function can not be used)
6th Generation Intel® Core™ i3/Pentium/Celeron Processors (UDIMM ECC memory support only)											
Intel® Core™ i3-6300 Processor (4M Cache, 3.80 GHz)	SKYLAKE-DT	QJZ9	S0	4 MB	8 GT/s	2	3.8 GHz	None	51 W	DDR4-2133	Intel® HD Graphics 530 (Graphic function can not be used)
Intel® Core™ i3-6300T Processor (4M Cache, 3.30 GHz)	SKYLAKE-DT	QJZC	S0	4 MB	8 GT/s	2	3.3 GHz	None	35 W	DDR4-2133	Intel® HD Graphics 530 (Graphic function can not be used)
Intel® Core™ i3-6320 Processor (4M Cache, 3.90 GHz)	SKYLAKE-DT	QJZ8	S0	4 MB	8 GT/s	2	3.9 GHz	None	51 W	DDR4-2133	Intel® HD Graphics 530 (Graphic function can not be used)
Intel® Core™ i3-6100 Processor (3M Cache, 3.70 GHz)	SKYLAKE-DT	QJZG	S0	3 MB	8 GT/s	2	3.7 GHz	None	51 W	DDR4-2133	Intel® HD Graphics 530 (Graphic function can not be used)
Intel® Core™ i3-6100T Processor (3M Cache, 3.20 GHz)	SKYLAKE-DT	QJZE	S0	3 MB	8 GT/s	2	3.2 GHz	None	35 W	DDR4-2133	Intel® HD Graphics 530 (Graphic function can not be used)

Intel® Pentium® Processor G4520 (3M Cache, 3.60 GHz)	SKYLAKE-DT	QJZM	S0	3 MB	8 GT/s	2	3.6 GHz	None	51 W	DDR4-2133	Intel® HD Graphics 530 (Graphic function can not be used)
Intel® Pentium® Processor G4500T (3M Cache, 3.00 GHz)	SKYLAKE-DT	QK1A	S0	3 MB	8 GT/s	2	3 GHz	None	35 W	DDR4-2133	Intel® HD Graphics 530 (Graphic function can not be used)
Intel® Pentium® Processor G4500 (3M Cache, 3.50 GHz)	SKYLAKE-DT	QJZJ	S0	3 MB	8 GT/s	2	3.5 GHz	None	51 W	DDR4-2133	Intel® HD Graphics 530 (Graphic function can not be used)
Intel® Pentium® Processor G4400 (3M Cache, 3.30 GHz)	SKYLAKE-DT	QJZK	S0	3 MB	8 GT/s	2	3.3 GHz	None	54 W	DDR4-2133	Intel® HD Graphics 510 (Graphic function can not be used)
Intel® Pentium® Processor G4400T (3M Cache, 2.90 GHz)	SKYLAKE-DT	QJZQ	S0	3 MB	8 GT/s	2	2.9 GHz	None	35 W	DDR4-2133	Intel® HD Graphics 510 (Graphic function can not be used)
Intel® Celeron® Processor G3900 (2M Cache, 2.80 GHz)	SKYLAKE-DT	QJZU	S0	2 MB	8 GT/s	2	2.8 GHz	None	51W	DDR4-2133	Intel® HD Graphics 510 (Graphic function can not be used)
Intel® Celeron® Processor G3900T (2M Cache, 2.60 GHz)	SKYLAKE-DT	QJZS	S0	2 MB	8 GT/s	2	2.6 GHz	None	35 W	DDR4-2133	Intel® HD Graphics 510 (Graphic function can not be used)
Intel® Celeron® Processor G3920 (2M Cache, 2.90 GHz)	SKYLAKE-DT	QJZW	S0	2 MB	8 GT/s	2	2.8 GHz	None	51 W	DDR4-2133	Intel® HD Graphics 510 (Graphic function can not be used)

Memory

Product Name	Memorn Tnpe	Module Supplier	Size	Chip Brand	Rank	Voltage	Data Transfer Rate	Error Correction	CAS Latenc n	Pins	Note
ECC UDIMM											
M4C0-8GSSMCRG	DDR4	INNODISK	8GB	Samsung		1.2v	2133MHz	ECC Unbuffer	15	288-pin	
M4C0-4GSSLCRG	DDR4	INNODISK	4GB	Samsung		1.2v	2133MHz	ECC Unbuffer	15	288-pin	
TS512MLH72V1H	DDR4	Transcend	4GB	Samsung	1R	1.2v	2133MHz	ECC Unbuffer	15	288-pin	
TS1GLH72V1H	DDR4	Transcend	8GB	Samsung	2Rx8	1.2v	2133MHz	ECC Unbuffer	15	288-pin	
PED42133C158GVS	DDR4	Panram	8GB	SKhnnix		1.2v	2133MHz	ECC Unbuffer	15	288-pin	
PED42133C154GVS	DDR4	Panram	4GB	SKhnnix		1.2v	2133MHz	ECC Unbuffer	15	288-pin	
CMA6-3GA01DAR01MEO	DDR4	acpi	8GB			1.2v	2133MHz	ECC Unbuffer	15	288-pin	
M391A1G43DB0-CPB	DDR4	Samsung	8GB	Samsung	2R	1.2v	2133MHz	ECC Unbuffer	15	288-pin	
M391A2K43BB1-CPB	DDR4	Samsung	16GB	Samsung	2R	1.2v	2133MHz	ECC Unbuffer	15	288-pin	
T4D4C10S61163	DDR4	TeamGroup	8GB	Samsung	1R	1.2v	2133MHz	ECC Unbuffer	15	288-pin	
78.B1GM4.AF00B	DDR4	Apacer	4GB	SKhnnix		1.2v	2133MHz	ECC Unbuffer	15	288-pin	
CT8G4WFD8213.18FA1	DDR4	Crucial	8GB	Micron	2R	1.2v	2133MHz	ECC Unbuffer	15	288-pin	
CT4G4WFS8213.9FA1	DDR4	Crucial	4GB	Micron	1R	1.2v	2133MHz	ECC Unbuffer	15	288-pin	
T4D4C10S61163	DDR4	TeamGroup	8GB	Samsung	1R	1.2v	2133MHz	ECC Unbuffer	15	288-pin	
CMA6-3GA01DAR01MEO	DDR4	acpi	8GB			1.2v	2133MHz	ECC Unbuffer	15	288-pin	
KVR21E15D8/8HA	DDR4	Kingston	8GB	SKhnnix	2R	1.2v	2133MHz	ECC Unbuffer	15	288-pin	
CT8G4WFD824A.18FB1	DDR4	Crucial	8GB	Micron	2RX8	1.2v	2400MHz	ECC Unbuffer	17	288-pin	

MTA18ASF1G72AZ-2G3B1ZK	DDR4	Micron	8GB	Micron	2RX8	1.2v	2400MHz	ECC Unbuffer	17	288-pin		
KVR21N15D8/8	DDR4	Kingston	8GB			1.2V	2133MHz	ECC Unbuffer	15	288-pin		
HMA81GU7AFR8N-UHT0	DDR4	SKhynix	8GB		1Rx8	1.2V	2400MHz	ECC Unbuffer	17	288-pin		
AD4U2400316G17-B	DDR4	ADATA	16GB			1.2v	2400MHz	ECC Unbuffer	17	288-pin		
HMA82GU7AFR8N-UHT0	DDR4	SK Hynix	16GB	SKhynix	2Rx8	1.2v	2400MHz	ECC Unbuffer	17	288-pin		
KVR24E17S8/8MA	DDR4	Kingston	8GB		1Rx8	1.2v	2400MHz	ECC Unbuffer	17	288-pin		
KVR24E17D8/16MA	DDR4	Kingston	16GB		2Rx8	1.2v	2400MHz	ECC Unbuffer	17	288-pin		
M4C0-AGS1MCSJ	DDR4	Innodisk	16GB		2Rx8	1.2v	2400MHz	ECC Unbuffer		288-pin		
Seagate HDD												
Product Name	Type	Vendor	Form Factor	Format	Capacity	Interface	Speed	Series	Cache	RPM	Encription	FW
Seagate Enterprise Capacitn 2.5 HDD												
ST9250610NS	SATA	Seagate	2.5"	N/A	250GB	6Gb/s		Constellation 2	64MB	7200	N/A	SN03
ST2000NX0253	SATA	Seagate	2.5"	N/A	2TB	6Gb/s		Constellation 2	128MB	7200	N/A	
ST2000NX0403	SATA	Seagate	2.5"	512n	2TB	6Gb/s		Enterprise Capacity v.3	128MB	7200	N/A	
ST1000NX0423	SATA	Seagate	2.5"	512n	1TB	6Gb/s		Enterprise Capacity v.3	128MB	7200	N/A	
SSD												
Product Name	Type	Vendor	Form Factor	Interface	Capacity	Interface	Speed	FW	Note			
Hard drive												
ASX1000LS7-240GM	SSD	ADATA	SATA	2.5"	240GB	-						
XF1212-1A0512	SSD	Seagate	SATA	2.5"	480GB	-						
ASR1010SS-480GM	SSD	ADATA	SATA	2.5"	480GB	-						
SDLF1CRR-019T-1HA1	SSD	SanDisk	SATA	2.5"	1.92TB	-						
PCIe SSD												
Product Name	Type	Vendor	Form Factor	Interface	Capacity	Interface	Speed	FW	Note			
PX04PMC320	SSD	Toshiba	NVMe	PCI-E	3.2T	-						
SSDPEDMD400G4	SSD	Intel	NVMe	PCI-E 3.0	400GB	-						
SSDPEDME400G4	SSD	Intel	NVMe	PCI-E 3.0	400GB	-						
GPGPU Card												
Product Name	Processer Cores	Memory Bandwidth (GB/sec)	FW	OpenGL	Microsoft DirectX	Graphics Card Power (W)	NVIDIA SLI / AMD CrossFire Readn	Note				
NvidaTesla (http://www.nvidia.com/object/tesla-supercomputing-solutions.html)												

Tesla M60	3072 (1536 per GPU)	480 GB/sec (240 GB/sec per GPU)	-	-	300W	-	(Maximum support 4pcs GPGPU)
Tesla K40	2880	288 GB/sec	-	-	235W	-	(Maximum support 4pcs GPGPU)
Tesla M40	3072	288 GB/sec	-	-	250W	-	(Maximum support 4pcs GPGPU)
NvidaGRID (http://www.nvidia.com/object/grid-technologn.html)							
GRID K2	3072	-	-	-	225 W	-	(Maximum support 4pcs GPGPU)
GRID Gaming M30	1920	-	-	-	170 W	-	(Maximum support 4pcs GPGPU)
GRID K1	768	-	-	-	135 W	-	(Maximum support 4pcs GPGPU)
ATI Graphics for Cloud + Data Centers							
AMD FirePro™ S9150 Server GPU	-	up to 320 GB/s	4.3	11.1	235 W	-	(Maximum support 4pcs GPGPU)
AMD FirePro™ M7130 Server GPU	-	-	4.4	11.1	150 W	-	(Maximum support 4pcs GPGPU)
AMD FirePro™ W7100 GPU	-	up to 160 GB/s	4.4	12\11.2	150W	-	(Maximum support 4pcs GPGPU)