

"G250-G52" Qualification Vender List - Others Ver:1.0

GPGPU

Vendor	Model Name	SPEC
Intel	MIC-5110P	60 of cores, 1.053 GHz, PCI Express Gen2, 225 W, (Maximum support 8pcs GPGPU)
Intel	MIC-7120P	61 of cores, 1.238 GHz, PCI Express Gen2, 300 W, (Maximum support 8pcs GPGPU)
Intel	MIC-31S1P	57 of cores, 1.1 GHz, PCI Express Gen2, 270 W, (Maximum support 8pcs GPGPU)
Intel	MIC-3120P	57 of cores, 1.1 GHz, PCI Express Gen2, 300 W, (Maximum support 8pcs GPGPU)
Intel	Intel Visual Compute Accelerator	E3-1283Lv4, 235W TDP, 3 nodes, PCI Express Gen.3 (Maximum support 8pcs GPGPU)
Nvidia	Tesla V100	one GV100 GPU, 5120 of cores per GPU, 1370 Mhz, PCI Express Gen3, 250 W (Maximum support 8pcs GPGPU)
Nvidia	Tesla P40	one GP102 GPU, 3840 of cores per GPU, 1531 Mhz, PCI Express Gen3, 250 W (Maximum support 8pcs GPGPU)
Nvidia	Tesla P4	one GP100 GPU, 2560 of cores per GPU, PCI Express Gen3, 50/70 W (Maximum support 8pcs GPGPU)
Nvidia	Tesla P100	one GP100 GPU, 3584 of cores per GPU, 1328 Mhz, PCI Express Gen3, 250 W (Maximum support 8pcs GPGPU)
Nvidia	Tesla M4	one GM206 GPU, 1024 of cores per GPU, 872 Mhz, PCI Express Gen3, 75 W (Maximum support 8pcs GPGPU)
Nvidia	Tesla M10	Four GM107 GPUs, 640 of cores per GPU, 1033Mhz, PCI Express Gen3, 225 W (Maximum support 2pcs GPGPU => R2L 2pcs (rear upper), L2R 1pcs (front upper))
Nvidia	Tesla M40	one GM200 GPU, 3072 of cores per GPU, 948 Mhz, PCI Express Gen3, 250 W (Maximum support 8pcs GPGPU)
Nvidia	Tesla M60	two GM204 GPU, 1536 of cores per GPU, 930 Mhz , PCI Express Gen3, 300W (Maximum support 8pcs GPGPU)
Nvidia	Tesla K80	two GK210 GPU, 2496 of cores per GPU, 562 Mhz, PCI Express Gen3, 300W (Maximum support 8pcs GPGPU)
Nvidia	Tesla M2090	512 of cores, 1.3 GHz, PCI Express Gen2, 225 W (Maximum support 8pcs GPGPU)
Nvidia	Tesla K40	one GK110B GPU, 2880 of cores per GPU, 745 Mhz, PCI Express Gen3, 225 W (Maximum support 8pcs GPGPU)
Nvidia	Tesla K20X	one GK110 GPU, 2688 of cores per GPU, PCI Express Gen3, 235 W (Maximum support 8pcs GPGPU)
Nvidia	Tesla K20	one GK110 GPU, 2496 of cores per GPU, 706 MHz, PCI Express Gen2, 225W (Maximum support 8pcs GPGPU)
Nvidia	Tesla K10	two GK104 GPUs, 1536 of cores per GPU, 745 MHz, PCI Express Gen3, 225 W (Maximum support 8pcs GPGPU => R2L 4pcs (rear), L2R 4pcs (front)) (PLX-CA)
Nvidia	GRID K1	Four GK107 GPUs, 192 of cores per GPU, 850Mhz, PCI Express Gen3, 130 W (Maximum support 2pcs GPGPU)
Nvidia	GRID K2	two GK104 GPUs, 1536 of cores per GPU, 745 MHz, PCI Express Gen3, 225 W (Maximum support 4pcs GPGPU => R2L 2pcs (rear upper), L2R 2pcs (front upper))

CPU Haswell-EP (LGA2011-3)

Vendor	Model Name	SPEC
Intel	E5-2603v3	1.60 GHz 85W 6Cores 15MB LGA 2011-3 R-2 QGSK
Intel	E5-2609 v3	1.9 GHz 85W 6Cores 15MB LGA 2011-3 M-1 QGPN
Intel	E5-2620 v3	2.40 GHz 85W 6Cores 15MB LGA 2011-3 R-2 QGSH
Intel	E5-2622 v3	2.40 GHz 85W 8Cores 20MB LGA 2011-3 R-2 QFRE
Intel	E5-2623 v3	3.00 GHz 105W 4Cores 10MB LGA 2011-3 R-2 QGSS
Intel	E5-2630 v3	2.40 GHz 85W 8Cores 20MB LGA 2011-3 R-2 QGZX
Intel	E5-2630Lv3	1.80 GHz 55W 8Cores 20MB LGA 2011-3 R-2 QGST
Intel	E5-2637 v3	3.5 GHz 135W 4Cores 15MB LGA 2011-3 R-2 QGSP
Intel	E5-2640 v3	2.60 GHz 90W 8Cores 20MB LGA 2011-3 R-2 QGSF
Intel	E5-2643 v3	3.40 GHz 135W 6Cores 20MB LGA 2011-3 R-2 QGSR
Intel	E5-2650 v3	2.3 GHz 105W 10Cores 25MB LGA 2011-3 M-1 QGPL
Intel	E5-2650LV3	1.80 GHz 65W 12Cores 30 MB LGA 2011-3 M-1 QGPB
Intel	E5-2652 v3	2.3 GHz 105W 10Cores 25MB LGA 2011-3 M-1 QGP3
Intel	E5-2660 v3	2.6 GHz 105W 10Cores 25MB LGA 2011-3 M-1 QGP1
Intel	E5-2670 v3	2.3 GHz 120W 12Cores 30MB LGA 2011-3 M-1 QGP2
Intel	E5-2680 v3	2.50 GHz 120W 12Cores 30MB LGA 2011-3 M-1 QGNZ
Intel	E5-2683 v3	2.0 GHz 120W 14Cores 35 MB LGA 2011-3 C-1 QGN5
Intel	E5-2685 v3	2.6 GHz 120W 12Cores 30MB LGA 2011-3 M-1 QGPK
Intel	E5-2690 v3	2.6 GHz 135W 12Cores 30MB LGA 2011-3 M-1 QGNY
Intel	E5-2695 v3	2.3 GHz 120W 14Cores 35 MB LGA 2011-3 C-1 QGN4

Intel	E5-2697 v3	2.6 GHz 145W 14Cores 35 MB LGA 2011-3 C-1 QGN3
Intel	E5-2698 v3	2.3 GHz 135W 16Cores 40MB LGA 2011-3 C-1 QGN2
Intel	E5-2699 v3	2.3 GHz 145W 18Cores 45MB LGA 2011-3 C-1 QGN1

CPU Broadwell-EP (LGA2011-3)

Vendor	Model Name	SPEC
Intel	E5-2699v4	2.2 GHz 145W 22Core 55MB LGA 2011-3 B-0 QK7J
Intel	E5-2698v4	2.2 GHz 135W 20Core 50MB LGA 2011-3 B-0 QK7M
Intel	E5-2697v4	2.3 GHz 145W 18Core 45MB LGA 2011-3 B-0 QK7L
Intel	E5-2697Av4	2.6 GHz 145W 16Core 40MB LGA 2011-3 B-0 QK7S
Intel	E5-2695v4	2.1 GHz 120W 18Core 45MB LGA 2011-3 B-0 QK3E
Intel	E5-2690v4	2.6 GHz 135W 14Core 35MB LGA 2011-3 M-0 QK8X
Intel	E5-2683v4	2.1 GHz 120W 16Core 40MB LGA 2011-3 B-0 QK7K
Intel	E5-2680v4	2.4 GHz 120W 14Core 35MB LGA 2011-3 B-0 QK92
Intel	E5-2660v4	2.0 GHz 105W 14Core 35MB LGA 2011-3 M-0 QK8Z
Intel	E5-2650v4	2.2 GHz 105W 12Core 30MB LGA 2011-3 M-0 QK8Y
Intel	E5-2650Lv4	1.7 GHz 65W 14Core 35MB LGA 2011-3 M-0 QK93
Intel	E5-2648Lv4	1.8 GHz 75W 14Core 35MB LGA 2011-3 M-0 QK9C
Intel	E5-2643v4	3.4 GHz 135W 6Core 20MB LGA 2011-3 R-0 QKEZ
Intel	E5-2640v4	2.4 GHz 90W 10Core 25MB LGA 2011-3 R-0 QKEU
Intel	E5-2637v4	3.5 GHz 135W 4Core 15MB LGA 2011-3 R-0 QKEY
Intel	E5-2630v4	2.2 GHz 85W 10Core 25MB LGA 2011-3 R-0 QKET
Intel	E5-2630Lv4	1.8 GHz 55W 10Core 25MB LGA 2011-3 R-0 QKEX
Intel	E5-2628Lv4	1.9 GHz 75W 12Core 30MB LGA 2011-3 M-0 QK9B
Intel	E5-2623v4	2.6 GHz 85W 4Core 10MB LGA 2011-3 R-0 QKFD
Intel	E5-2620v4	2.1 GHz 85W 8Core 20MB LGA 2011-3 R-0 QKES
Intel	E5-2618Lv4	2.2 GHz 75W 10Core 25MB LGA 2011-3 R-0 QKF9
Intel	E5-2609v4	1.7 GHz 85W 8Core 20MB LGA 2011-3 B-0 QKEW
Intel	E5-2608Lv4	1.6 GHz 50W 8Core 20MB LGA 2011-3 B-0 QKF4
Intel	E5-2603v4	1.7 GHz 85W 6Core 15MB LGA 2011-3 R-0 QKEV

DDR4 Memory ECC RDIMM

Vendor	Model Name	SPEC
SAMSUNG	M393A4K40BB0-CPB	DDR4-2133, 32GB 2Rx4 PC4-2133P-RA0-10-DC0
SAMSUNG	M393A1G40DB0-CPB	DDR4 8G, KR M393A1G40DB0-CPB 1346 1Rx4 PC4-2133P-RCO-10-DC0
CRUCIAL	CT4G4RFS8213.9FA2	4GB DDR4-2133 1.2V SRx8 RDIMM
CRUCIAL	CT8G4RFS4213ES.18FDA2	8GB 1Rx4 PC4-2133 RDIMM
CRUCIAL	CT8G4RFD8213.18FA1	8GB DDR4-2133 1.2v DRx8 RDIMM
CRUCIAL	CT16G4RFD4213.36FA2	16GB DDR4-2133 1.2V DRx4 RDIMM
CRUCIAL	CT16G4RFS424A.18FA1	16GB DDR4-2400 1.2v RDIMM
CRUCIAL	CT16G4RFD824A.18FA1	16GB DDR4-2400 1.2v RDIMM
CRUCIAL	CT32G4RFD424A.36FA1	32GB DDR4-2400 1.2v RDIMM
CRUCIAL	CT32G4LFD424A.36FA1	32GB DDR4-2400 1.2v RDIMM
CRUCIAL	CT32G4RFD4213.36FA1	32GB DDR4-2133 RDIMM 1.2CL1
Crucial	CT16G4RFD424A.36FA3	16GB DDR4 2400 RDIMM 1.2V CL
Cruclal	CT8G4RFS424A.18FA3	8GB DDR4 2400 RDIMM 1.2V CL1
Micron	MTA18ASF1G72PZ-2G3A3IG	8GB 1Rx4 PC4-2400T-RCB-10
Micron	MTA36ASF2G72PZ-2G3A3II	16GB 2Rx4 PC4-2400T-RBB-10
ADATA	AD4R2133Y8G15-BHYM	8Gx18 R-DIMM 2133
Apacer	75.CA3G0.G000B	8GB ECC REG PC4-17000 CL15
Micron	MTA9ASF51272PZ-2G1A2HG	4GB 1RX8 PC4-2133P-RDP-10
Micron	MTA18ASF1G72PZ-2G1	8GB 1Rx4 PC4-2133N-RCP-05 RDIMM
Micron	MTA18ASF1G72PDZ-2G1A1	8GB PC4-17000 DDR4-2133MHz ECC Registered CL15 288-Pin DIMM 1.2V
Micron	MTA36ASF2G72PZ-2G1A2IG	16GB DDR4-2133 1.2V DRx4 RDIMM
HYNIX	HMA84GR7MFR4N-TFTD	32GB 2Rx4 PC4-2133P-RB0-10
HYNIX	HMA42GR7MFR4N-TF TD	16GB 2Rx4 PC4-2133P
HYNIX	HMA451R7MFR8N-TF	4GB DDR4-2133MHz ECC Registered 1.2V Single Rank
HYNIX	HMA81GR7AFR8N-UHTD	8GB 1Rx8 PC4-2400 RDIMM
SKhynix	HMA82GR7AFR8N-UHTD	16GB 2Rx8 PC4-2400 RDIMM
SKhynix	HMA82GR7AFR8N-UHT2	16GB 2Rx8 PC4-2400 RDIMM
SKhynix	HMA84GR7AFR4N-UHT2	32GB 2Rx4 PC4-2400 RDIMM
SKhynix	HMA84GR7AFR4N-UHTD	32GB 2Rx4 PC4-2400 RDIMM
Kingston	KVR21R15S4/8	8GB 1Rx4 PC4-2133P-RC0-10 1.2V
Kingston	KVR21R15D4/16	16GB 2Rx4 PC4-2133P-RA0-10 1.2V
Kingston	KVR21R15D8/8	8GB 2133MHZ DDR4 ECC Reg CL15 DIMM Dr X8
Kingston	KVR24R17S4/16MA	16GB 1Rx4 2400 ECC Reg CL17 DIMM
Kingston	KVR24R17D4/32MA	32GB 2Rx4 2400 ECC Reg CL17 DIMM
TeamGroup	T4D6R10S62000	8GB DDR4-2133
TeamGroup	T4E1R10S62000	16GB DDR4-2133
SAMSUNG	M393A2K43BB1-CRC0Q	16GB 2Rx8 PC4-2400T-RE1-11-DC0
INNODISK	M4R0-AGS1BCSJ	16GB DDR4 2400 REG DIMM
INNODISK	M4R0-8GSQECRG	8GB DDR4 2133 W/REG DIMM
INNODISK	M4R0-8GSQECSJ	8GB DDR4 2400 REG DIMM
SAMSUNG	M39A1G40EB1-CRC	8GB 1Rx4 PC4-2400T-RC1-11-MC0
INNODISK	M4R0-AGSQGCRG	16GB DDR4 2133 W/REG DIMM
Transcend	TS2GHR72V1Z	16G 2Rx4 DDR4 2133 REG
INNODISK	M4R0-AGS3ECSJ	16GB DDR4 2400 W/REGDIMM
Smsung	M393A2K40BB1	16GB DDR4 2400 W/REGDIMM
V-Color	TR16G18C15-093E	16G 1Gx8 2Rx8 PC4-17000 16GB ECC REG 1.2v
innodisk	M4R0-BGS3GCSJ	32GB DDR4 2400 REGDIMM

SAMSUNG	M393A4K40BB1-CRC0Q	32GB 2RX4 PC4-2400T-RA1-11DC0
Crucial	CT16G4RFD824A.18FB1	16GB DDR4 2400 RDIMM 1.2V CL17
Micron	MTA18ASF2G72P	16GB DDR4 2400T REB 10
Crucial	CT8G4RFS424A.18FB1	8GB DDR4-2400 RDIMM 1.2V CL17
Micron	MTA18ASF1G72PZ-2G3B1QG	8GB 1RX4 PC4-2400T-RCB-10
Crucial	CT16G4RFD424A.36FB1	16GB DDR4-2400RDIMM 1.2V CL1
Micron	MT36ASF2G72PZ-2G3B1RK	16GB 2Rx4 PC4-2400T-RBB-10
Crucial	CT16G4RFS424A.18FB1	16GB DDR4-2400 RDIMM 1.2V CL17
Micron	MTA18ASF2G72PZ-2G3B1LG	16GB 1RX4 PC4-2400T-RCB-10
Viking	VP9MR2G7228JBJ	16GB DDR4 2400 REG DIMM
Viking	VP9MR4G7224JBJSB	32GB 2Rx4 PC4-2400T REG
Crucial	CT8G4RFS824A-2G3B1	8GB DDR4-2400 RDIMM 1.2V CL17
Micron	MTA9ASF1G72PZ-2G3B1MG	8GB DDR4-2400 RDIMM 1.2V CL17
Crucial	CT32G4RFD424A-2G3B1	32GB DDR4-2400 RDIMM 1.2V CL17
Crucial	CT32G4RFD424A.36FB1	32GB DDR4-2400 RDIMM 1.2V CL17
Micron	MTA36ASF4G72PZ-2G3B1MG	32GB DDR4-2400 RDIMM 1.2V CL17
V-color	TR416G24S417	16GB R-DIMM DDR4-2400 2Gx4 1Rx4
V-color	TR432G24D417	32GB R-DIMM DDR4-2400 2Gx4 2Rx4
V-color	TR48G24S817-UHM	8GB ECC REG PC4-19200 1Gx8 1Rx8
INNODISK	M4R0-8GSSBCSJ	8GB DDR4 2400 REG DIMM
Crucial	CT16G4RFD8266-2G6H1.001	16G DDR4- 2666 RDIMM 1.2V CL19
Micron	MTA18ASF2G72PDZ-2G6H1QG	16G 2RX8 PC4-2666V-RE2-11
Crucial	CT32G4RFD4266-2G6H1.001	32G DDR4- 2666 RDIMM 1.2V CL19
Micron	MTA36ASF4G72PZ-2G6H1QG	32G 2RX4 PC4-2666V-RB2-11
MBG-JBM	J4AGR11G8PGXC	16GB 2Rx8 PC4-2400 RDIMM
MBG-JBM	J4BGR2G4PGXC	32GB 2Rx4 PC4-2400 RDIMM
DDR4 Memory ECC LRDIMM		
Samsung	M386A8K40BM1-CRC4Q M	64GB 4DRx4 PC4-2400T LRDIMM 1.2v CL 17
CRUCIAL	CT32G4LFQ4213.36DA1	32GB DDR4 2133 ECC REG 1.2V Quad Rank LRDIMM
Micron	MTA72ASS4G72LZ-2G1A1IG	32GB DDR4 2133 ECC REG 1.2V Quad Rank LRDIMM
Kingston	KVR21L15Q4/32	32GB 2133MHZ DDR4 ECC CL15 Lrdimm QR X4 W/TS
Crucial	CT32G4LFD424A-2G3B1	DDR4 2400 LRDIMM 1.2V CL17 32GB 2RX4 CL 17
Micron	MTA36ASF4G72LZ-2G3B1MI	DDR4 2400 LRDIMM 1.2V CL17 32GB 2RX4 CL 17
Hard Drive SAS (May need RAID card support)		
Vendor	Model Name	SPEC
HGST	HUC101212CSS600	2.5" 1.2TB SAS 6Gb/s 64MB 10KRPM (F/W:A35A)
Seagate	ST1800MM0018	2.5" 1.8TB SAS 12Gb/s 128MB Cache 10000RPM (F/W:E004)
Hard Drive SATA		
Vendor	Model Name	SPEC
Seagate	ST9250610NS	2.5" 250G SATAIII Constellation.2 64MB Cache 7200RPM (F/W:SN02)
WD	WD2500BHTZ-04JCPV0	2.5" 250 GB/64 MB SATA 6Gb/s /10,000
Seagate	ST2000NX0253	2.5" 2TB 6.0Gb /s SATA 7200 RPM 128MB
Hard Drive SSD		
Vendor	Model Name	SPEC
ADATA	ASX1000LS7-240GM	2.5" SATA 6Gb/s
Seagate	XF1212-1A0512	SATAIII 2.5" SSD 480GB (FW:PROLU617)
Hynix	HFS480G32MNB-2000A AF	2.5" SATA-3 480GB R:410MB/S W:510 MB/s
INTEL	SSDSC2CW060A301	SSD 520 SERIES 60GB SSDSC2CW060A301 2.5" 6Gb/s SATA SSD 60G
INTEL	SSDPEDMD400G4	Intel SSD Card DC P3700 Series SSDPEDMD400G4 400GB
INTEL	SSDPEDME400G4	Intel SSD DC P3600 Series SSDPEDME400G4 400GB (PCI-e)
PCIe SSD		
Vendor	Model Name	SPEC
Toshiba	PX04PMC320	3.2TB Enterprise SSD (NVMe)
RAID Card		
Vendor	Model Name	SPEC
LSI	MegaRAID SAS 9240-8i(LSI 2008)	PCI-E x8, 6Gb/s, SAS, 8-port IOP based
LSI	MegaRAID SAS 9260-8i(LSI 2108)	PCI-E x8, 6Gb/s, SAS, 8-port IOP based
Gigabyte	RA201-A	LSI SAS2208 SAS Controller PCI-E Gen 3 x8
Gigabyte	RA200-8	LSI SAS2308 SAS I/O Controller PCI-E Gen 3 x8
Gigabyte	GC-MSLZ2 REV:2.0	LSI 2008, 8 internal ports SAS 6G HBA card
Gigabyte	GC-MSLZ4	LSI 2008, 2 x Mini-SAS connectors for up to 8 x SAS 6Gb/s ports (external)
Gigabyte	GC-MSLZ1 (Mezzanine card)	LSI SAS 2208 Mezzanine card - Dual Core PowerPC 440 800MHz 6, 3, 1.5 Gb/s SAS; 6, 3, 1.5 Gb/s SATA
Gigabyte	CRA4548	LSI SAS3108 H/W RAID HBA 1 x internal Mini-SAS HD SFF8643 / 1 x external Mini-SAS HD SFF8644 12Gb/s ports connectors
Gigabyte	CSA6648	LSI3008 HBA H-type Mezzanine 2 x internal Mini-SAS HD SFF8643, 12Gb/s
LAN Card		

Vendor	Model Name	SPEC
Emulex	Oneconnect OCe14102-N	PCI-Express x8 Emulex OCe14102-N 10G LAN card
Emulex	Oneconnect OCe14101-N	PCI-Express x8 Emulex OCe14101-N 10G LAN card
Solarflare	SFN7322F	Solarflare Flareon Ultra SFN7322F Dual Port 10GbE SFP+
Solarflare	SFN6122F	Solarflare SFN6122F Dual Port 10GbE SFP+ Server Adapter
Mellanox	CB194A InfiniBand Card	Mellanox Dual-Port InfiniBand Host Channel Adapter CB194A
Intel	Intel X520-DA2 82599 10G	Fibre Channel to PCIe 2.0a Gen2 (x8) 10GB dual port
Intel	QLE7342	Intel TrueScale Fabric Host Adapter QLE7342 40GbpsInfiniBand
QLOGIC	QLE2562	QLE2562-HP 8Gbp/s PCI-e Dual Port Fibre Channel HBA
Gigabyte	GC-MNXE21 REV:1.0	(Infiniband card/CX-3 MT275*/FDR 4x/2port/PCIE Gen3 x8)
Gigabyte	GC-MNXE2 rev1.0	MEZZ x8 infiniband CX-3 VPI Lan card
Gigabyte	GC-MLIZS REV1.1(CBG14 rev1.0)	MEZZ x8 intel 82559 double port 10G LAN card
Gigabyte	GC-MLBZ1 REV2.0	PCI-Express x8 Broadcom BCM57810S 10G LAN card
Gigabyte	CLN4522	Intel® X540-BT2 10Gb/s 2-port LAN Card
Gigabyte	CLN4314	Intel® I350-AM4 1Gb/s 4-port LAN Card
Gigabyte	CLN4312	Intel® I350-AM2 1Gb/s 2-port LAN Card
Gigabyte	CLN4222	Intel® X550-AT2,PCIE 10G Base-T LAN Dual port
Gigabyte	CLN4121	Intel® X550-AT,PCIE 10G Base-T single
Gigabyte	GC-MLIZ	MEZZ Intel x540 10G LAN Card BASE-T LAN ports
Power Supply Unit		
Vendor	Model Name	SPEC
Delta	DPS-1600CB Rev S0F	1600W PSU
Compuware	CPR-2021-2M1 Rev 1.0	2000W PSU