

"G250-G50" 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	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 P100	one GP102 GPU, 3840 of cores per GPU, 1531 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 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	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	CT32G4LFQ4213.36DA1	32GB DDR4 2133 1.2V QR X4 LRDI
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-AGSQGCRG	16GB DDR4 2133 W/REG DIMM
Transcend	TS2GHR72V1Z	16G 2Rx4 DDR4 2133 REG
Acpi	CMA6-3GA01CAR01MEO	16G 2Rx4 DDR4 2133 REG
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
INNODISK	M4R0-AGCQGCRG	16GB DDR4 2133 R-DIMM
INNODISK	M4R0-BGC3GCRG	32GB DDR4 2134 R-DIMM
Crucial	CT16G4RFD824A.18FB1	16GB DDR4 2400 RDIMM 1.2V CL17
Micron	MTA18ASF2G72P	16GB DDR4 2400T REB 10
Crucial	CT32G4RFD424A.36FB1	32GB DDR4 2400 RDIMM 1.2V CL1
Micron	MTA36ASF4G72PZ-2G3B1MG	32GB DDR4 2Rx4 PC4-2400T RBB-10
INNODISK	M4R0-8GSQECSJ	8GB DDR4 2400 REG DIMM
SAMSUNG	M39A1G40EB1-CRC	8GB 1Rx4 PC4-2400T-RC1-11-MC0
Cruclal	CT8G4RFS424A.18FB1	8GB DDR4-2400 RDIMM 1.2V CL17
Micron	MTA18ASF1G72PZ-2G3B1QG	8GB 1RX4 PC4-2400T-RCB-10
Cruclal	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	M4R0-8GSSBCS1	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	J4BGRH2G4PGXC	32GB 2Rx4 PC4-2400 RDIMM
DDR4 Memory ECC LRDIMM		
Samsung	M386A8K40BM1-CRC4Q M	64GB 4DRx4 PC4-2400T LRDIMM 1.2v CL 17
CRUCIAL	CT32G4LFD4213.36DA1	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
SAMSUNG	M386A4G40DM0-CPB 1411 LRDIMM	DDR4-2133, 32GB 4DRx4 PC4-2133P-LD0-10-DC0
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	ST91000640NS	1TB 2.5" SATAIII 7.2K rpm 6.0Gb / s 64MB (F/W: SN03)
Seagate	ST2000NX0253	2.5" 2TB 6.0Gb /s SATA 7200 RPM 128MB
WD	WD2500BHTZ-04JCPV0	2.5" 250 GB/64 MB SATA 6 /Gb/s /10,000
Hard Drive SSD		
Vendor	Model Name	SPEC
Seagate	XF1212-1A0512	SATAIII 2.5" SSD 480GB (FW:PROLU617)
ADATA	ASX1000LS7-240GM	2.5" SATA 6Gb/s
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)
ADATA	ASR1010SS-480GM	2.5"SATA 6Gb/s SSD SR1010SS
SanDisk	SDLF1CRR-019T-1HA1	2.5" SSD SATA 1.92TB
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
Gigabyte	CSA6648	SFF8644 12Gb/s ports connectors 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
HP	HP 82Q (QLE2562)	PCI-Express x8 Dual port 8Gb 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