

"GS-R12P4G (GA-7PESH4)" Qualification Vender List Ver:1.0

CPU IVY BRIDGE-EP

Vendor	Model Name	SPEC
Intel	E5-2650LV2	1.7 GHz DP 10 25MB 1600 MHz 70W Q EMK M0
Intel	E5-2650LV2	1.7 GHz DP 10 25MB 1600 MHz 70W Q F6B M1
Intel	E5-2603V2	1.8 GHz DP 4 10MB 1333 MHz 80W Q F8B S1
Intel	E5-2640V2	2.0 GHz DP 8 20MB 1600 MHz 95W Q EMM M0
Intel	E5-2640V2	2.0 GHz DP 8 20MB 1600 MHz 95W Q F6D M1
Intel	E5-2620V2	2.1 GHz DP 6 15MB 1600 MHz 80W Q F7R S1
Intel	E5-2660V2	2.2 GHz DP 10 25MB 1866 MHz 95W Q ENB M0
Intel	E5-2660V2	2.2 GHz DP 10 25MB 1866 MHz 95W Q F73 M1
Intel	E5-2695V2	2.4 GHz DP 12 core 30MB 8 1866 MHz 115W Q EEW C0
Intel	E5-2695V2	2.4 GHz DP 12 core 30MB 8 1866 MHz 115W Q F92 C1
Intel	E5-2630LV2	2.4 GHz DP 6 15MB 1600 MHz 60W Q F8D S1
Intel	E5-2670V2	2.5 GHz DP 10 25MB 1866 MHz 115W Q EN3 M0
Intel	E5-2670V2	2.5 GHz DP 10 25MB 1866 MHz 115W Q F6V M1
Intel	E5-2609V2	2.5 GHz DP 4 10MB 1333 MHz 80W Q F89 S1
Intel	E5-2630V2	2.6 GHz DP 6 15MB 1600 MHz 80W Q F7P S1
Intel	E5-2650V2	2.6 GHz DP 8 20MB 1866 MHz 95W Q EN5 M0
Intel	E5-2650V2	2.6 GHz DP 8 20MB 1866 MHz 95W Q F6X M1
Intel	E5-2697V2	2.7 GHz DP 12 30MB 1866 MHz 130W Q F93 C1
Intel	E5-2697V2	2.7 GHz DP 12 core 30MB 8 1866 MHz 130W Q EEY C0
Intel	E5-2680V2	2.8 GHz DP 10 25MB 1866 MHz 115W Q EN1 M0
Intel	E5-2680V2	2.8 GHz DP 10 25MB 1866 MHz 115W Q F6T M1
Intel	E5-2690V2	3.0 GHz DP 10 25MB 1866 MHz 130W Q ENR M0
Intel	E5-2690V2	3.0 GHz DP 10 25MB 1866 MHz 130W Q F6R M1
Intel	E5-2637V2	3.5 GHz DP 4 15MB 1866 MHz 130W Q F8V S1
Intel	E5-2643V2	3.5 GHz DP 6 25MB 1866 MHz 130W Q EMH M0
Intel	E5-2643V2	3.5 GHz DP 6 25MB 1866 MHz 130W Q F69 M1

CPU SandyBridge-EP (LGA2011)

Vendor	Model Name	SPEC
Intel	E5-2670	2.60 GHz, QPI 8.0 GT/s, 1600MHz, 20MB, QBV7, C2, 115W 8core
Intel	E5-2680	2.70 GHz, QPI 8.0 GT/s, 1600MHz, 20MB, QBUD, C2, 130W 8core
Intel	E5-2650L	1.80 GHz, QPI 8.0 GT/s, 1600MHz, 20MB, QBUK, C2, 70W 8core
Intel	E5-2660	2.20 GHz, QPI 8.0 GT/s, 1600MHz, 20MB, QBUH, C2, 95W 8core
Intel	E5-2650	2.00 GHz, QPI 7.2 GT/s, 1600MHz, 20MB, QBUT, C2, 95W 8core
Intel	E5-2620	2.00 GHz, QPI 7.2 GT/s, 1333MHz, 15MB, QBV5, C2, 95W 6core
Intel	E5-2630	2.30 GHz, QPI 7.2 GT/s, 1333MHz, 15MB, QBV3, C2, 95W 6core
Intel	E5-1650	3.20 GHz, QPI 8.0 GT/s, 1600MHz, 12MB, QBVB, C2, 130W 6core
Intel	E5-2630L	2.00 GHz, QPI 8.0 GT/s, 1333MHz, 15MB, QBUM, C2, 60W 6core
Intel	E5-2665	2.40 GHz, QPI 8.0 GT/s, 1600MHz, 20MB, QBFD, C1, 115W 8core
Intel	E5-2650	2.00 GHz, QPI 7.2 GT/s, 1600MHz, 20MB, QBER, C1, 95W 8core
Intel	E5-1660	3.30 GHz, QPI 8.0 GT/s, 1600MHz, 15MB, QBEM, C1, 130W 6core
Intel	E5-2643	3.30 GHz, QPI 8.0 GT/s, 1600MHz, 15MB, QBLU, M0, 130W 4core
Intel	E5-2603	1.80 GHz, QPI 6.4 GT/s, 1607MHz, 10MB, QBLY, M0, 80W 4core
Intel	E5-1620	3.60 GHz, QPI 8.0 GT/s, 1600MHz, 10MB, QBWG, M1, 130W 4core
Intel	E5-1607	3.00 GHz, QPI 8.0 GT/s, 1607MHz, 10MB, QBW8, M1, 80W 4core
Intel	E5-2665	2.4GHz, 8C, 115W 20M Cache, 8.00 GT/s Intel® QPI C2 QBVF
Intel	E5-2640	2.5GHz, 6C, 95W 15M Cache, 7.20 GT/s Intel® QPI C2 QBUV
Intel	E5-2637	3.0GHz, 2C, 80W 5M Cache, 8.00 GT/s Intel® QPI M1 QBWL
Intel	E5-2609	2.4GHz, 4C, 80W 10M Cache, 6.40 GT/s Intel® QPI M1 QBWC
Intel	E5-2603	1.8GHz, 4C, 80W 10M Cache, 6.40 GT/s Intel® QPI M1 QBWE

Memory RDIMM

Vendor MP	Model Name	SPEC
MIRA	PP16GJA2BLF-GGN	16GB 2Rx4 PC3L-12800R-11-11-E1P
ACTICA	ACT16GHR72U4J1866S	16GB DDR3 1866 REG ECC
V-Color	TRV16G18CA11-H11D	DDR3-1600 2Gx4 2Rx4 1.5V 16GB
CRUCIAL	CT16G3ERSLD4160B	16GB 36FN DDR3-1600 1.35V DRx4 RDIMM
CRUCIAL	CT16G3ERSLD4160B	16GB DDR3-1600 1.35V DRx4 RDIMM
ACTICA	ACT16GHR72U4J1600S	16GB DDR3-1600 REG ECC 1.5V / 2Rx4
ACTICA	ACT8GHR72Q4H1600S	8GB DDR3-1600 REG ECC
ACTICA	ACT16GHR72U4J1600S	16GB DDR3-1600 ERG ECC
INNODISK	M3CP-4GHJHC0C-C	4GB DDR3 1600 WECC DIMM
INNODISK	M3CP-8GHS3C0C-M	8GB DDR3 1600 WECC DIMM
ADATA	ADDE1600W8G11-BMID	DDR3L 1600(11) 8Gx18 ECC-DIMM
ADATA	ADDR1600W8G11-BMIE	DDR3L 1600(11) 8Gx18 R-DIMM
ADATA	ADDV1600W8G11-BMID	DDR3L 1600(11) 8Gx18 VLP R-DIMM
ADATA	AD3V1600W8G11-BMID	DDR3L 1600(11) 8Gx18 VLP-R
Nanya	NT8GC72B4NG0NL-DI	8GB, 2Rx4, PC3-12800R-11-10-J1, 1600, ECC
SAMSUNG	M393B1K70DH0-CK0 1231	8GB 2Rx4 PC3-12800R-11-11-E2-D3
SAMSUNG	M393B1K70DH0-CK0 1241	8GB 2Rx4 PC3-12800R-11-11E2-P2

SAMSUNG	M393B1K70DH0-CK0 1242	8GB 2Rx4 PC3-12800-11-11-E2-D3
SAMSUNG	M393B1K70DH0-CK008 (x4)	8GB 2Rx4 PC3-12800R-11-11-E2-D3
SAMSUNG	M393B1K70DH0-CK009 (x2)	8GB 2Rx4 PC3-12800R-11-11-E2-P2
Kingston	KVR16R11D4/16	16GB DDR3-1600 REG ECC 2Rx4
Kingston	KVR13LR9D4/16	16GB DDR3-1333 REG ECC 2Rx4
Kingston	KVR13LR9Q4/32	32GB DDR3-1333 REG ECC 2Rx4
ADATA	AD3R1600C2G11-BMIK	2GB DDR3-1600 REG ECC 1.5V
ADATA	AD3R1600W8G11-BMIE	8GB DDR3-1600 REG ECC 1.5V
Samsung	M393B2G70BH0-YK0	16GB DDR3-1600 REG. DIMM 2Rx4 PC3L-12800R-11-11-E2-D3
Samsung	M393B5773DH0-YK0	2GB DDR3-1600 REG 1Rx8 PC3L-12800R-11-11-A1-D3
APACER	78.B1GEW.AF10C	4GB ECC REG PC3-12800 CL11 DDR3 REG DIMM 12800-11 256x8 HYN G
APACER	78.C1GEY.AT10C	8GB ECC REG PC3-12800 CL11 DDR3 REG DIMM 12800-11 512x8 MC G
Kingston	KVR13LR9D4/16HM	16GB 1333MHz DDR3L ECC Reg CL9

Memory ECC UDIMM

Vendor	Model Name	SPEC
CRUCIAL	CT102472BA186D.18FED	8GB 2Rx8 PC3-14900E-13-13-E3 DDR3-1866 DR x8 ECC UDIMM
Apacer	78.B1GDF.AF3	4GB ECC PC3-10600
ADATA	AD3C1600W8G11-BMIE	DDR3 1600(11) 8Gx18 VLP-ECC
ADATA	ADD3C1600W8G11-BMIE	DDR3L 1600(11) 8Gx18 VLP-ECC-DIMM
ADATA	ADDE1600W8G11-BMIE	DDR3L 1600(11) 8Gx18 ECC-DIMM
AVEXIR	AVD3E160001104G-1SW	AVEXIR 4GB DDR3-1600C11 1.5V
Kingston	KVR1333D3E9S/8G	8GB DDR3-1333 Non ECC 1.5V 2Rx8
INNODISK	M3CP-2GM11LN9-M	2GB DDR3 1333 1.35v LV W/ECC DIMM
INNODISK	M3CP-4GMJHLN9-M	4GB DDR3 1333 1.35v LV W/ECC DIMM
INNODISK	M3CN-2GHJHC09-C	2GB DDR3 1333 W/ECC DIMM
INNODISK	M3CN-4GHJHC09-C	4GB DDR3 1333 W/ECC DIMM
Hynix	HMT451U7AFR8A-PB	4GB, UDIMM, DDR3-1600, LF+HF, 1Rx8, 1.35V
APACER	78.B1GEB.AF30C	4GB ECC REG PC3-12800 CL11 DDR3 ECC DIMM 12800-11 256x8 HYN G
APACER	78.C1GER.AT30C	8GB ECC PC3-12800 CL11 DDR3 DIMM 12800-11 512x8 MC G
Kingston	KVR18E13/8	8GB PC3-14900 CL13 ECC 240-Pin UDIMM

Hard Drive SAS (May need RAID card support)

Vendor	Model Name	SPEC
WD	WD XE WD9001BKHG, 900GB, 32MB, 10000RPM	SATAIII 2.5" 900GB 10000rpm
Seagate	ST3300657SS	3.5" SAS2, 300GB/16M 15000RPM
Fujitsu	MBE2147RC	2.5" SAS2, 146GB/16M 15000RPM
Toshiba	MBF2300RC	2.5" SAS2, 300GB/16M 10000RPM
Toshiba	MBF2450RC	2.5" SAS2, 450GB/16M 10000RPM
Seagate	ST9300605SS	2.5" 300GB SAS 6Gb/s Savvio10K 64MB Cache 10000RPM
WD	WD3001BKHG-02D22V1	2.5" 300G SAS XE 32MB Cache 10000RPM
WD	WD4001FYYG	3.5" 4TB SAS 6Gb/s 32MB 7200 RPM
HGST	HUC101212CSS600	2.5" 1.2TB SAS 6Gb/s 64MB 10KRPM
HGST	HUC109090CSS600	2.5" 900GB SAS 6Gb/s 64MB 10K RPM
HGST	HUS724040ALS640	3.5" 4TB SAS-2 7200rpm
Seagate	ST9146853SS	2.5" 146GB SAS 6Gb/s Savvio15K 64MB Cache 15000RPM
Seagate	ST3300657SS	3.5" 300GB SAS 6Gb/s Cheatah15K 16MB Cache 15000RPM
Seagate	ST4000NM0023	3.5" 4TB SAS 6Gb/s 128MB 7200RPM

Hard Drive SATA

Vendor	Model Name	SPEC
WD	WD2000FYYZ-01UL1B0/64MB 2TB	SATAIII 3.5" 2TB 10000rpm
WD	WD6000BLHX	2.5" SATA3, 600GB/32M 7200RPM
HITACHI	HUA722050CLA330	3.5" SATA2, 500G/16M 7200RPM
Seagate	ST9250610NS	2.5" 250G SATAIII Constellation.2 64MB Cache 7200RPM
WD	WD2003FYYZ-02W0B1	3.5" 2TB SATAII RE4 64MB Cache 7200RPM
WD	WD4000FYYZ-01UL1B0	3.5" 4TB SATAIII RE4 64MB Cache 7200RPM
WD	WD2000FYYZ-01UL1B0	3.5" 2TB SATAII RE4 64MB Cache 7200RPM
WD	WD3000FYYZ	3.5" 3TB SATAIII RE4 64MB Cache 7200RPM
Seagate	ST2000NM0011	3.5" 2TB SATAIII Constellation ES MB 64MB Cache RPM FW: SN02
Seagate	ST33000650NS	3.5" 3TB SATAIII Constellation ES.2 MB 64MB Cache RPM FW:0004
HITACHI	HUS724040ALE640	3.5" 4TB SATAIII Ultrastar 7K4000 6Gb/s 7200RPM FW:3B0
HGST	HMS5C4040ALE640	3.5" 4TB SATAIII 64MB 6Gb/s 5700RPM
HGST	HUS724040ALA640	3.5" 4TB SATAIII 64MB 6Gb/s 7K4000
Seagate	ST3000NC000	3 TB 3.5" 6Gb/s SATA 64MB 7200 rpm
Seagate	ST32000645NS	3.5" 2TB SATAIII Constellation ES.2 64MB Cache 7200RPM
WD	WD1002FBYS-02A6B0	3.5" 3TB ,SATA 6.0Gb/s 64MB, 7200 RPM
WD	WD1003FBYX-01Y7B1	3.5" 1TB SATAII RE4 64MB Cache 7200RPM

Hard Drive SSD

Vendor	Model Name	SPEC
INNODISK	SATAIII SSD 2.5inch	INNODISK SATAIII 6Gb/s D2SS-C12F21AC1EN 512GB
INNODISK	SATAIII SSD 2.5inch	INNODISK SATAIII 6Gb/s D2SS-B56F21AC1EN 256GB
INNODISK	SATAIII SSD 2.5inch	INNODISK SATAIII 6Gb/s D2SS-A28F21AC1EN 128GB

INNODISK	SATAIII SSD 2.5inch	INNODISK SATAIII 6Gb/s D2SS-64GF21AC1EN 64GB
INTEL	SSDSC2CW060A301	SSD 520 SERIES 60GB SSDSC2CW060A301 2.5" 6Gb/s SATA SSD 60G
DOM (Disk on Module)		
Vendor	Model Name	SPEC
INNODISK	DESIB-08GJ30ACA QS	SLC D150QH 8GB
INNODISK	DESIB-08GJ30ACA QSF	SLC Pin 7 VCC D150QH 8GB
INNODISK	DESIB-16GJ30AC1 QN	MLC D150QH 16GB
INNODISK	DESIB-16GJ30ACA QS	SLC D150QH 16GB
INNODISK	DESIB-16GJ30ACA QSF	SLC Pin 7 VCC D150QH 16GB
INNODISK	DESIB-32GJ30AC1 QN	MLC D150QH 32GB
INNODISK	DESIB-32GJ30ACA QS	SLC D150QH 32GB
INNODISK	DESIB-32GJ30ACA QSF	SLC Pin 7 VCC D150QH 32GB
INNODISK	DESIH-08GJ30AC1DN	SLC D150QV 8GB
INNODISK	DESIH-16GJ30AC1 QN	MLC D150QV 16GB
INNODISK	DESIH-16GJ30AC1DN	MLC D150QV 16GB
INNODISK	DESIH-16GJ30ACA QS	SLC D150QV 16GB
INNODISK	DESIH-32GJ30AC1 QN	MLC D150QV 32GB
INNODISK	DESIH-64GJ30AC1 QN	MLC D150QV 64GB
INNODISK	DESIL-08GJ30ACA QS	SLC D150QV-L 8GB
INNODISK	DESIL-08GJ30ACA QSF	SLC Pin 7 VCC D150QV-L 8GB
INNODISK	DESIL-16GJ30ACA QS	SLC D150QV-L 16GB
SATA DIMM		
Vendor	Model Name	SPEC
INNODISK	D2SS-C12F21AC1EN 512GB	SATAIII 6Gb/s D2SS-C12F21AC1EN 512GB
INNODISK	D2SS-B56F21AC1EN 256GB	SATAIII 6Gb/s D2SS-B56F21AC1EN 256GB
INNODISK	D2SS-A28F21AC1EN 128GB	SATAIII 6Gb/s D2SS-A28F21AC1EN 128GB
INNODISK	D2SS-64GF21AC1EN 64GB	SATAIII 6Gb/s D2SS-64GF21AC1EN 64GB
Viking	SATA DIMM	VRFS1100GBCVWMA
RAID Card		
Vendor	Model Name	SPEC
HighPoint	Rocket 640L	6Gb/s SATA Host Adapter
HighPoint	RocketRAID 620	6Gb/s SATA Host Adapter
HighPoint	RocketRAID 2720SGL	6Gb/s SAS/SATA Host Adapter
Promise	SuperTrak EX8760T	PCI-E x8, 6Gb/s, SAS, 8-port IOP based
LSI	MegaRAID SAS 9240-8i(LSI 2008)	PCI-E x8, 6Gb/s, SAS, 8-port IOP based
LSI	MegaRAID SAS 9260-8i(LSI 2008)	PCI-E x8, 6Gb/s, SAS, 8-port IOP based
LSI	MegaRAID SAS 8708EM2(GC-RLE087-RH)	PCI-E x8, 3Gb/s, SAS, 8-port MegaRAID
LSI	MEGARAID LSI 9271-8i	SAS 6GB/S8-PORT SATA+SAS L3-25413-10A PCI-E 3.0
Highpoint	RocketRAID 2760/2760A	PCI-E x16, 6Gb/s, SAS, 6-port Marvell 88SE9485
Highpoint	RocketRAID 2720SGL	PCI-E x8 6Gb/s SAS/SATA 8-Port Host Adapter
Highpoint	RocketRAID 2680SGL	PCI-E x4 Low Profile SATA / SAS 3Gb/s SAS/SATA 2 x SFF-8087 mini-SAS
Gigabyte	GC-MSLZ2-00	LSI_2008-GC-MSLZ2
Gigabyte	GC-R200-8	LSI SAS2308 SAS I/O Controller PCI-E Gen 3 x8
Gigabyte	GC-RA201-A	LSI SAS2208 SAS Controller PCI-E Gen 3 x8
Gigabyte	GC-MSEE4	Two-Lane PCI-Express 2.0 to four-port 6 Gpbs SATAHost Bus Adapter
LAN Card		
Vendor	Model Name	SPEC
Intel	Intel Gigabit ET2 Quad Port Svr Adptr 82576GB	PCI-E LAN Adapter
Intel	PRO/1000MT Desktp Adapter	PCI LAN Adapter
Intel	PRO/1000PT	PCI-E x1 LAN Adapter
Intel	PRO/1000PT Dual Port Server Adapter	PCI-E x4 LAN Adapter
Intel	PRO/1000PT Quad Port Server Adapter	PCI-E x4 LAN Adapter
Gigabyte	GC-LC05	PCI-E x1 LAN Adapter
Graphics Card		
Vendor	Model Name	SPEC
GIGABYTE	GV- NX73G128D-H	Geforce 7300 GS(PCI-E 2.0)
GIGABYTE	GV-N480D5-15I-B	Geforce GTX480(PCI-E 2.0)
GIGABYTE	GV- NX84S512H	Geforce 8400 GS(PCI-E 2.0 check memory size correct or not under windows xp.
GIGABYTE	GV-R795WF3-3GD	PCI Express x16 3.0 3GB
GIGABYTE	GV-R777D5-1GD	PCI Express x16 3.0 1GB
GIGABYTE	GV-R775OC-1GI	PCI Express x16 3.0 1GB
Graphics Card (Desktop Depart)		
Vendor	Model Name	SPEC
GIGABYTE	GV-N480D5-15I-B	Geforce GTX480(PCI-E 2.0) (SLI confirmed)
GIGABYTE	GV-N9800GTX+	Geforce 9800 GTX+(PCI-E 2.0)
GIGABYTE	GV-N580D5-15I-B	Geforce GTX580(PCI-E 2.0)
GIGABYTE	GV-R455D3-512I	RV710(Radeon HD4550)(PCI-E 2.0)
GIGABYTE	GV-R697D5-2GD-B	RV870(Radeon HD6970)(PCI-E 2.0)

USB 3.0 Device		
Vendor	Model Name	SPEC
WD	WD WDBACY5000AWT-01	500GB USB 3.0 HDD
Seagate	Seagate GoFlex STAA500305	500GB USB 3.0 HDD
Toshiba	TOSHIBA CANVIO BASIC	500GB USB 3.0 HDD
Gigabyte	Gigabyte PURE CLASSIC X176B1FWBO75	500GB USB 3.0 HDD
MSI	MSI UBO-30 EXTERNAL SLIM	USB 3.0 Blue-ray Combo
EXTEK	EXTEK BYTECC-ME535U3 Pioneer	USB 3.0 Blue-ray Combo
UN	UN EBC113	USB 3.0 Blue-ray Combo
UN	UN ESW863 8X SLIM	USB 3.0 DVD
IN-TECH	IN-TECH 16GB	USB 3.0 Flash
Verico Evolution	Verico Evolution Lite S 16GB	USB 3.0 Flash
SILICON POWER	SILICON POWER BLAZE B10 16GB	USB 3.0 Flash
ADATA	ADATA SUPERIOR S102 PRO 16GB	USB 3.0 Flash
MUKii	MUKii TIP-D185U3	USB 3.0 Device
CyberSLIM	CyberSLIM S1-DS3 TURBO	USB 3.0 Device
ICY BOX	ICY BOX IB-111STU3-WH	USB 3.0 Device
ineo	ineo NA317U+	USB 3.0 Device