

**"GS-R12P4S (GA-7PESL1)" Qualification Vender List - Others Ver:1.0**

**CPU Sandy Bridge-EN (LGA 1356-2)**

Vendor	Model Name	SPEC
Intel	E5-2470	2.3GHz, 8C, 95W 20M Cache, 8.00 GT/s Intel® QPI C2 QBWU
Intel	E5-2450	2.1GHz, 8C, 95W 20M Cache, 8.00 GT/s Intel® QPI C2 QBWY
Intel	E5-2440	2.4GHz, 6C, 95W 15M Cache, 7.20 GT/s Intel® QPI C2 QBWO
Intel	E5-2430	2.2GHz, 6C, 95W 15M Cache, 7.20 GT/s Intel® QPI C2 QBX4
Intel	E5-2420	1.9GHz, 6C, 95W 15M Cache, 7.20 GT/s Intel® QPI C2 QBX6
Intel	E5-2450L	1.8GHz, 8C, 70W 20M Cache, 8.00 GT/s Intel® QPI C2 QBWVW
Intel	E5-2403	1.8GHz, 4C, 80W 10M Cache, 6.40 GT/s Intel® QPI M1 QBXH
Intel	E5-2430L	2.0GHz, 6C, 60W 15M Cache, 7.20 GT/s Intel® QPI C2 QBX2
Intel	E5-2470	2.30GHz 8Cores 95 W 20MB FCLGA10 C-1 QBGE
Intel	E5-2440	2.40 GHz 15 MB 95 W 6Cores FCLGA10 C-1 QBGH
Intel	E5-2430L	2.30 GHz 15 MB 60 W 6Cores FCLGA10 C-1 QBGJ
Intel	E5-2420	1.90GHz 15 MB 95 W 6Cores FCLGA10 C-1 QBM5
Intel	E5-2450	2.10 GHz 20 MB 95 W 8Cores FCLGA 10 C-1 QBGG

**CPU IVY BRIDGE-EN (LGA1356-2)**

Vendor	Model Name	SPEC
Intel	E5-2403V2	1.8 GHz DP 4 core 10MB 6.4 1333 MHz 80W Q F7M S1
Intel	E5-2407V2	2.2 GHz DP 4 core 10MB 6.4 1333 MHz 80W Q F7K S1
Intel	E5-2420V2	2.2 GHz DP 6 core 15MB 7.2 1600 MHz 95W Q F7H M2
Intel	E5-2430V2	2.5 GHz DP 6 core 15MB 7.2 1600 MHz 95W Q F7F S1
Intel	E5-2430LV2	2.4 GHz DP 6 core 15MB 7.2 1600 MHz 60W Q F8K S1
Intel	E5-2440V2	1.9 GHz DP 8 core 15MB 7.2 1600 MHz 95W Q F61 M1
Intel	E5-2450V2	2.5 GHz DP 8 core 20MB 8 1600 MHz 95W Q F6Z M1
Intel	E5-2450LV2	1.7 GHz DP 10 core 20MB 8 1600 MHz 60W Q F63 M1
Intel	E5-2470V2	2.4 GHz DP 10 core 25MB 8 1600 MHz 95W Q BF5ZU M1

**Memory RDIMM**

Vendor	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 36FED DDR3-1600 1.35V DRx4 RDIMM
Nanya	NT4GC72B8PB0NL-CG /4G	4G Registered ECC DDR3 1333
Nanya	NT8GC72B4NB1NJ-CG /8G	8G Registered ECC DDR3 1333
Nanya	NT8GC72C4NB3NJ-CG /8G	1.5V 8GB RDIMM/1333MHz.ECC
Nanya	NT8GC72B4NG0NL-DI	NT8GC72B4NG0NL-DI, 8GB, 2Rx4, PC3-12800R-11-10-J1, 1600, ECC
INNODISK	ACT8GHR72Q4H1333S 8GB DDR3-1333 REG ECC	8GB DDR3-1333 REG ECC
INNODISK	ACT16GHR72Q4J1066S 16GB DDR3-1066 REG ECC	16GB DDR3-1066 REG ECC
INNODISK	ACT2GHR72N8H1333H 2GB DDR3-1333 REG ECC	2GB DDR3-1333 REG ECC
INNODISK	ACT4GHR72P8H1333M-LV 4GB LV DDR3-1333 REG ECC	4GB LV DDR3-1333 REG ECC
INNODISK	ACT8GHR72Q4H1333S-LV 8GB DDR3 REG ECC	8GB 1333MHz DDR3 ECC Reg CL9 DIMM
Kingston	KVR1333D3S8R9S/1G	1GB 1333MHz DDR3 ECC Reg CL9 DIMM
Apacer	78.B1GDR.4210C 4GB, ECC, REG, 10600, CL9	78.B1GDR.4210C Apacer 4GB, ECC, REG, 10600, CL9
Apacer	78.A1GDR.4200C Apacer 2GB, ECC, REG, 10600, CL9	78.A1GDR.4200C Apacer 2GB, ECC, REG, 10600, CL9
ADATA	A-DATA DDR3L 1333(9) 4GX18 MIR3A1C18	A-DATA DDR3L 1333(9) 4GX18 MIR3A1C18
ADATA	A-DATA DDR3L 1333(9) 8GX18 MIR3A1D18	A-DATA DDR3L 1333(9) 8GX18 MIR3A1D18
ADATA	A-DATA DDR3 1600 4G*18 MIR4D1C18	A-DATA DDR3 1600 4G*18 MIR4D1C18
ADATA	ADATA DDR3 1333 (9) 16G X36 LR-DIMM	ADATA DDR3 1333 (9) 16G X36 LR-DIMM
Kingston	KVR1333D3D4R9SK2/8GI	8GB 1333MHz DDR3 ECC Reg CL9 DIMM (Kit of 2) DR x4 w/TS Intel
Kingston	KVR16R11D4/16	16GB DDR3-1600 REG ECC 1.5V 2Rx4
ACTICA	ACT16GHR72U4J1600S	16GB DDR3-1600 REG ECC 1.5V / 2Rx4
ADATA	AD3R1600C2G11-BMIK	2GB DDR3-1600 REG ECC 1.5V
ADATA	AD3R1600W8G11-BMIE	8GB DDR3-1600 REG ECC 1.5V
ACTICA	ACT8GHR72Q4H1600H	8GB DDR3-1600 REG ECC A11331C
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

**Memory LRDIMM**

Vendor	Model Name	SPEC
Kingston	KVR13LL9Q4/32	32GB 4Rx4 4G x 72-Bit PC3L-10600C L9

**Memory ECC UDIMM**

Vendor	Model Name	SPEC
CRUCIAL	CT102472BA186D.18FED	8GB 2Rx8 PC3-14900E-13-13-E3 DDR3-1866 DR x8 ECC UDIMM
Nanya	NT4GC72B8PB0NF /4G	4G ECC DDR3 1333
INNODISK	4GB DDR3 1333 W/ECC M3CN-4GHJ3C09-C	INNODISK 4GB DDR3 1333 W/ECC M3CN-4GHJ3C09-C
INNODISK	ACT8GHU72D8J1333S 8GB DDR3-1333 UNB ECC	8GB DDR3-1333 UNB ECC
INNODISK	INNODISK w/ECC DIMM M3CN-4GHJHC09-C	4GB DDR3-1333 PC3-10600

INNODISK	INNODISK w/EXX DIMM M3CN-2GHJ1C09-C	2GB DDR3-1333 w/ECC DIMM
INNODISK	INNODISK 1.35 LV w/EXX DIMM M3CP-2GMJ1LN9-M	2GB DDR3-1333 w/ECC DIMM
INNODISK	INNODISK 1.35 LV w/EXX DIMM M3CP-4GMJHLN9-M	4GB DDR3-1333 PC3-10600
INNODISK	2GB DDR3 1333 W/ECC M3CN-2GHJC09-C	INNODISK 2GB DDR3 1333 W/ECC M3CN-2GHJC09-C
Apace	78.B1GDF.4230C r 4GB, ECC, 10600, CL9	78.B1GDF.4230C Apacer 4GB, ECC, 10600, CL9
Apace	78.A 1GDF.4220C Apacer 2GB, ECC, 10600, CL9	78.A 1GDF.4220C Apacer 2GB, ECC, 10600, CL9
Transcend	UNB/ECC RoHS TS256MLK72V3U (EF /2G	2GB DDR3 1333 ECC UDIMM CL9
Transcend	UNB/ECC RoHS TS128MLK72V3U (E8) /1G	1GB DDR3 1333 ECC UDIMM CL9
Hynix	HMT41GU7AFR8A-PB	8GB 2Rx8 PC3L-12800E-11-12-E3 UDIMM, DDR3-1600, LF+HF, 2Rx8, 1.35V
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

**Memory Non ECC UDIMM (Desktop Department)**

Vendor	Model Name	SPEC
Kingston	KVR1333D3N9/2G	(UDIMM) 1GB ,DDR3 PC10600 ,1333MHz CL9 ,KVR1333D3N9/2G
Kingston	KVR1333D3N9/4G	(UDIMM) 1GB ,DDR3 PC10600 ,1333MHz CL9 ,KVR1333D3N9/4G
Geil	GV316GB1333C9QC	(UDIMM) 4GB ,DDR3 PC10600 ,1333MHz ,GV316GB1333C9QC
Kingston	KVR18R13D4/16	16GB PC3-14900 CL13 240-Pin RDIMM

**Hard Drive SAS (May need RAID card support)**

Vendor	Model Name	SPEC
Seagate	ST3300657SS	3.5" SAS2, 300GB/16M 15000RPM
Fujitsu	MBA3073RC	3.5 SAS: 3Gb/sec 15,000RPM 73GB
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 Cheetah15K 16MB Cache 15000RPM
Seagate	ST4000NM0023	3.5" 4TB SAS 6Gb/s 128MB 7200RPM

**Hard Drive SATA**

Vendor	Model Name	SPEC
WD	WD1002FBYS-01A6B0	3.5" SATA2, 1TB/32M SATA2 7200RPM
WD	WD5002ABYS-01B1B0	3.5" SATA2, 500G/16M 7200RPM
WD	WD2002FYPS-01U1B0	3.5" SATA2, 2TB/64M 7200RPM
WD	WD6000BLHX	2.5" SATA3, 600GB/32M 7200RPM
Seagate	ST9250610NS	2.5" 250G SATAIII Constellation.2 64MB Cache 7200RPM
WD	WD2003FYYS-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	ST33000650NS	3.5" 3TB SATAIII Constellation ES.2 MB 64MB Cache RPM FW:0004
Seagate	ST2000NM0011	3.5" 2TB SATAIII Constellation ES MB 64MB Cache RPM FW: SN02
HITACHI	HUS724040ALE640	3.5" 4TB SATAIII Ultrastar 7K4000 6Gb/s 7200RPM FW:3B0
HGST	HUS724040ALA640	3.5" 4TB SATAIII 64MB 6Gb/s 7K4000
Seagate	ST3000NC000	3 TB 3.5" 6Gb/s SATA 64MB 7200 rpm
HGST	HUA722010CLA330	3.5" 1TB SATAII 7200RPM
HGST	HMS5C4040ALE640	3.5" 4TB SATAIII 64MB 6Gb/s 5700RPM
Seagate	ST32000645NS	3.5" 2TB SATAIII Constellation ES.2 64MB Cache 7200RPM
WD	WD1003FBYX-01Y7B1	3.5" 1TB SATAII RE4 64MB Cache 7200RPM
WD	WD1002FBYS-02A6B0	3.5" 1TB SATAII RE3 32MB 3GB/S 7200RPM
TOSHIBA	MG03ACA300	3.5" 3TB ,SATA 6.0Gb/s 64MB, 7200 RPM
TOSHIBA	MG03ACA400	3.5" , 4TB , SATA 6.0 Gb/s , 64MB, 7200 RPM

**Hard Drive SSD**

Vendor	Model Name	SPEC
INTEL	SSDSC2CW060A301	SSD 520 SERIES 60GB SSDSC2CW060A301 2.5" 6Gb/s SATA SSD 60G 5

**RAID Card**

Vendor	Model Name	SPEC
--------	------------	------

LSI	MegaRAID SAS 8708EM2(GC-RLE087-RH)	PCI-E x8, 3Gb/s, SAS, 8-port MegaRAID
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 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 2740	PCI-E x16 Low Profile 6Gb/s SAS/SATA 4 x SFF-8087 mini-SAS Host Adapter
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 Host Adapter
Highpoint	RocketRAID 620	PCI-E 6Gb/s RAID 6Gb/s SATA Dual-Port SATA Host Adapter
Highpoint	Rocket 640L	PCI-E x4 Low Profile SATA III (6.0Gb/s)6Gb/s SATA Host Adapter
<b>LAN Card</b>		
<b>Vendor</b>	<b>Model Name</b>	<b>SPEC</b>
Intel (必測)	PRO/1000PT Dual Port Server Adapter	PCI-E x4 LAN Adapter
Intel	INTEL © GIGABIT CT Desktop Adapter	PCI-E x2 LAN Adapter
Intel	Intel X520-DA2 82599 10G	Fibre Channel to PCIe 2.0a Gen2 (x8) 10GB dual port
<b>USB 3.0 Device</b>		
<b>Vendor</b>	<b>Model Name</b>	<b>SPEC</b>
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