

" GS-R12PE "Qualification Vender List - Others Ver:1.0

CPU IVY BRIDGE-EP (LGA2011)

| Vendor | Model Name | SPEC |
|--------|------------|--|
| Intel | E5-2650V2 | 2.6 GHz DP 8 20MB 1866 MHz 95W Q F6X M1 |
| Intel | E5-2650V2 | 2.6 GHz DP 8 20MB 1866 MHz 95W Q EN5 M0 |
| Intel | E5-2630V2 | 2.6 GHz DP 6 15MB 1600 MHz 80W Q F7P S1 |
| Intel | E5-2609V2 | 2.5 GHz DP 4 10MB 1333 MHz 80W Q F89 S1 |
| Intel | E5-2630LV2 | 2.4 GHz DP 6 15MB 1600 MHz 60W Q F8D S1 |
| Intel | E5-2660V2 | 2.2 GHz DP 10 25MB 1866 MHz 95W Q F73 M1 |
| Intel | E5-2660V2 | 2.2 GHz DP 10 25MB 1866 MHz 95W Q ENB M0 |
| Intel | E5-2620V2 | 2.1 GHz DP 6 15MB 1600 MHz 80W Q F7R S1 |
| Intel | E5-2640V2 | 2.0 GHz DP 8 20MB 1600 MHz 95W Q F6D M1 |
| Intel | E5-2640V2 | 2.0 GHz DP 8 20MB 1600 MHz 95W Q EMM M0 |
| Intel | E5-2650LV2 | 1.7 GHz DP 10 25MB 1600 MHz 70W Q F6B M1 |
| Intel | E5-2650LV2 | 1.7 GHz DP 10 25MB 1600 MHz 70W Q EMK M0 |

CPU SandyBridge-EP (LGA2011)

| Vendor | Model Name | SPEC |
|--------|------------|---|
| Intel | E5-2660 | 2.2GHz, 8C, 95W 20M Cache, 8.00 GT/s Intel® QPI C2 QBUH |
| Intel | E5-2650 | 2.0GHz, 8C, 95W 20M Cache, 8.00 GT/s Intel® QPI C2 QBUT |
| 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 | E5-2630 | 2.3GHz, 6C, 95W 15M Cache, 7.20 GT/s Intel® QPI C2 QBV3 |
| Intel | E5-2620 | 2.0GHz, 6C, 95W 15M Cache, 7.20 GT/s Intel® QPI C2 QBV5 |
| 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 |
| Intel | E5-2650L | 1.8GHz, 8C, 70W 20M Cache, 8.00 GT/s Intel® QPI C2 QBUK |
| Intel | E5-2630L | 2.0GHz, 6C, 60W 15M Cache, 7.20 GT/s Intel® QPI C2 QBUM |

Memory RDIMM

| Vendor MP | Model Name | SPEC |
|-----------|------------------------|--|
| MIRA | PP08GJ93BLF-GGN | 8GB 2RX8 PC3L-12800R-11-11-B0P |
| 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 |
| INNODISK | ACT4GHR72P8H1333S-LV | 4GB DDR3-1333 REG ECC 1.35V / 2Rx8 |
| INNODISK | ACT8GHR72Q4H1333S-LV | 8GB DDR3-1333 REG ECC 1.35V / 2Rx4 |
| INNODISK | ACT8GHR72Q4H1333S | 8GB DDR3-1333 REG ECC 1.5V / 2Rx4 |
| INNODISK | ACT16GHR72U4J1600S | 16GB DDR3-1600 REG ECC 1.5V / 2Rx4 |
| Kingston | KVR16R11D4/16 | 16GB DDR3-1600 REG ECC 1.5V 2Rx4 |
| Kingston | KVR13LR9D4/16 | 16GB DDR3-1333 REG ECC 1.35 & 1.5V 2Rx4 |
| Ventura | D3-60MM104SV-999 SEC | DIMM, 8GB, DDR3-1333, REGISTERED, ECC, 1GX72BIT DUAL RANK, 1.5V |
| Ventura | D3-60NN105BJV-11 Hynix | DIMM, 8GB, DDR3-1600, REGISTERED, ECC, 1GX72 DUAL RANK, 1.5V |
| Ventura | D3-58NK105BJV-11 Hynix | DIMM, 4GB, DDR3-1600, REGISTERED, ECC, 512MX72 DUAL RANK, 1.5V |
| Ventura | D3-58NN101AJV-11 Hynix | DIMM, 4GB, DDR3-1600, REGISTERED, ECC, 512MX72 SINGLE RANK, 1.5V |
| Nanya | NT8GC72C8PB0NL-CG | DIMM, 8GB, DDR3-1333, REGISTERED, ECC |
| Ventura | D3-56NK101AJV-11 Hynix | DIMM, 2GB, DDR3-1600, REGISTERED, ECC, 256MX72 SINGLE RANK, 1.5V |
| Kingston | KVR13LR9Q4/32 | 32GB DDR3-1333 REG ECC 1.35 & 1.5V 2Rx4 |
| Kingston | KVR13LR9D4/16HM | 16GB DDR3-1333 REG ECC 1.35 & 1.5V |
| Kingston | KVR13LR9D4/8HC | 8GB DDR3-1333 REG ECC 1.35 & 1.5V |
| Kingston | KVR16LR11D4/16KF | 16GB 1600MHz DDR3L ECC Reg CL11 DIMM DR x4 1.35V |
| Kingston | KVR16LR11D8/8KF | 8GB 1600MHz DDR3L ECC Reg CL11 DIMM DR x8 1.35V |
| Kingston | KVR16LR11D4/16HB | 16GB ECC Reg CL11 Dr X4 DDR3L 1600MHZ DIMM 1.35V |
| ADATA | AD3R1600C2G11-BMIK | 2GB DDR3-1600 REG ECC 1.5V |

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| ADATA | AD3R1600W8G11-BMIE | 8GB DDR3-1600 REG ECC 1.5V |
| INNODISK | 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 |
| CRUCIAL | CT102472BB160B | 8GB 36FMD 1GX72 DDR3 PC3-12800 REGIS |
| CRUCIAL | CT16G3ERSLD4160B | 16GB 36FER DDR3-1600 1.35V DRx4 RDIMM 240P |
| CRUCIAL | CT8G3ERSLS41339 | 8GB 18FED DDR3-1333 1.35V/ DDR3L SR |
| Memory ECC UDIMM | | |
| Vendor | Model Name | SPEC |
| INNODISK | ACT2GHU72C8H1333S-LV | 2GB DDR3-1333 UNB ECC 1.35V / 1Rx8 |
| INNODISK | ACT4GHU72D8H1333S-LV | 4GB DDR3-1333 UNB ECC 1.35V / 2Rx8 |
| Kingston | KVR1333D3E9S/8G | 8GB DDR3-1333 Non ECC 1.5V 2Rx8 |
| 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 | KVR16LE11S8/4KF | 4GB (1x4GB) DDR3L 1600MHz ECC CL11 UDIMM 1R X8 1.35V |
| Kingston | KVR16LE11/8KF | 8GB 240-Pin DDR3 1600 (PC3 12800) ECC UDIMM |
| Kingston | KVR16LE11/8HB | 8GB 1600MHZ DDR3L ECC CL11 DIMM 1.35V |
| Memory Non ECC UDIMM | | |
| Vendor | Model Name | SPEC |
| Kingston | KVR1333D3N9/4G | (UDIMM) 1GB ,DDR3 PC10600 ,1333MHz CL9 ,KVR1333D3N9/4G |
| Geil | GV316GB1333C9QC | (UDIMM) 4GB ,DDR3 PC10660 ,1333MHz ,GV316GB1333C9QC |
| Hard Drive SAS (May need RAID card support) | | |
| Vendor | Model Name | SPEC |
| Seagate | ST3300657SS | 3.5" 300GB SAS 6Gb/s Cheetah15K 16MB Cache 15000RPM |
| HGST | HUS156060VLS600 | 3.5" 600GB SAS 6Gb/s Cheetah15K 64MB MB Cache 15000RPM |
| Seagate | ST9300605SS | 2.5" 300GB SAS 6Gb/s Savvio10K 64MB Cache 10000RPM |
| Seagate | ST9146853SS | 2.5" 146GB SAS 6Gb/s Savvio15K 64MB Cache 15000RPM |
| WD | WD3001BKHG-02D22V1 | 2.5" 300G SAS XE 32MB Cache 10000RPM |
| 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 |
| WD | WD4001FYYG | 3.5" 4TB SAS 6GB/s 32MB 7200 RPM |
| 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 |
| Seagate | ST3200645NS | 3.5" 2TB SATAIII Constellation ES.2 64MB Cache 7200RPM |
| Seagate | ST9250610NS | 2.5" 250G SATAIII Constellation.2 64MB Cache 7200RPM |
| WD | WD4000FYYZ-01UL1B0 | 3.5" 4TB SATAIII RE4 64MB Cache 7200RPM |
| HITACH | HUS724040ALE640 | 3.5" 4TB SATAIII 64MB Cache 7200RPM |
| HITACH | HUA72010CLA330 | 3.5" 1TB SATAIII 64MB Cache 7200RPM |
| WD | WD2000FYYZ | 3.5" 2TB SATAII 64MB Cache 7200RPM |
| WD | WD2500HHTZ-04N21V0 | 3.5" 250G SATAIII VelociRaptor 64MB Cache 10000RPM |
| WD | WD1000DHTZ-04N21V0 | 3.5" 1TB SATAIII VelociRaptor 64MB Cache 10000RPM |
| WD | WD2503ABYX-01WERA1 | 3.5" 250G SATAII RE4 64MB Cache 7200RPM |
| WD | WD5003ABYX-01WERA1 | 3.5" 500G SATAII RE4 64MB Cache 7200RPM |
| Seagate | ST3300650NS | 3.5" 3TB SATAIII Constellation ES.2 MB Cache RPM FW:0004 |
| WD | WD1003FBYX-01Y7B1 | 3.5" 1TB SATAII RE4 64MB Cache 7200RPM |
| WD | WD2003FYYS-02W0B1 | 3.5" 2TB SATAII RE4 64MB Cache 7200RPM |
| HITACH | HUA723030ALA640 | 3.5" 3TB SATAIII 64MB Cache 7200RPM FW:A10 |
| WD | WD3000FYYZ-01UL1B0 | 3.5" 3TB SATAII RE 64MB Cache 7200RPM |
| Seagate | ST2000NM0011 | 3.5" 2TB SATAIII Constellation ES MB 64MB Cache RPM FW: SN02 |

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| HGST | HUA722010CLA330 | 3.5" 1TB SATAII 7200RPM |
| HGST | HUS724040ALA640 | 3.5" 4TB SATAIII 64MB 6Gb/s 7K4000 |
| Seagate | ST3000NC000 | 3 TB 3.5" 6Gb/s SATA 64MB 7200 rpm |
| HGST | HMS5C4040ALE640 | 3.5" 4TB SATAIII 64MB 6Gb/s 5700RPM |
| 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 |
| Gigabyte | GC-MSLZ2-00 | LSI SAS 2008 8P |
| 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 |
| Highpoint | RocketRAID 2760/2760A | PCI-E x16, 6Gb/s, SAS, 6-port Marvell 88SE9485 |
| Highpoint | RocketRAID 4460 | PCI-E x8, 3Gb/s, SAS, 6-port intel IOP348 |
| LSI | MEGARAIID LSI 9271-8i | SAS 6GB/S8-PORT SATA+SAS L3-25413-10A PCI-E 3.0 |
| 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 |
| 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 |
| Gigabyte | GC-MSLZ2-00 | LSI_2008-GC-MSLZ2 |
| Gigabyte | GC-MSEE4 | Two-Lane PCI-Express 2.0 to four-port 6 Gpbs SATAHost Bus Adapter |
| Gigabyte | GC-RA201-A | LSI SAS2208 SAS Controller PCI-E Gen 3 x8 |
| LAN Card | | |
| Vendor | Model Name | SPEC |
| Gigabyte | GC-MLBZ1 | BroadCom 10G LAN adapter Specification with BCM57811S PCI-e FF card, MD2 Dual ports fiber-optic connectors SFF-8431 (SFP+) |
| PSU | | |
| Vendor | Model Name | SPEC |
| Liteon | PS-2751-5L LF 750W | |
| System Component | | |
| Vendor | Model Name | SPEC |
| Gigabyte | GC-BS212 | HDD Backplan Board |
| Gigabyte | GC-IF2ED2 | Front Panel Board |
| 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 |
| EXTEK | EXTEK BYTECC-ME535U3 Pioneer | USB 3.0 Blue-ray Combo |
| CyberSLIM | CyberSLIM S1-DS3 TURBO | USB 3.0 Device |