| | alified Vendors List (QVL) | | | | | _ | | DIMM socket su | port (Option |
|------------------|----------------------------|-----------------|-------|-------------|---------------------|------------|---------|----------------|--------------|
| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | 2 DIMM | 4 DIMM |
| ACTICA | ACT4GHU64B8H1333H | 4GB | DS | Hynix | H5TQ2G83AFR | - | - | • | • |
| ACTICA | ACT4GHU72D8H1333H | 4GB | DS | Hynix | H5TQ2G83AFR(ECC) | - | - | • | • |
| AMD | AE32G1339U1-U | 2GB | SS | AMD | 23EY4587MB3H | - | 1.5 | • | • |
| AMD | AE34G1339U2-U | 4GB | DS | AMD | 23EY4587MB3H | - | 1.5 | • | • |
| Apacer | 78.A1GC6.9L1 | 2GB | DS | Apacer | AM5D5808FEQSBG | 9 | - | • | • |
| Apacer | 78.B1GDE.9L10C | 4GB | DS | Apacer | AM5D5908CEHSBG | 9 | - | • | • |
| Asint | SLA304G08-EDJ1B | 4GB | SS | Asint | 304G08-DJ1B | 9-10-10-26 | - | • | • |
| Asint | SLB304G08-EDJ1B | 8GB | DS | Asint | 304G08-DJ1B | 9-9-9-24 | - | • | • |
| ATP | AQ12M72E8BKH9S | 4GB | DS | SAMSUNG | K4B2G0846C(ECC) | - | - | • | • |
| BUFFALO | D3U1333-2G | 2GB | DS | Elpida | J1108BFBG-DJ-F | | - | • | • |
| BUFFALO | D3U1333-4G | 4GB | DS | NANYA | NT5CB256M8BN-CG | | - | • | • |
| CORSAIR | CMV8GX3M2A1333C9 | 8GB (2x 4GB) | DS | - | N/A | 9-9-9-24 | - | • | • |
| EK Memory | EKM324L28BP8-I13 | 4GB (2x 2GB) | DS | - | - | 9 | - | • | • |
| G.SKILL | F3-10600CL9D-4GBNT | 4GB (2x 2GB) | DS | G.SKILL | D3 128M8CE9 2GB | 9-9-9-24 | 1.5 | • | • |
| G.SKILL | F3-10666CL9D-8GBXL | 8GB (2x 4GB) | DS | - | - | 9-9-9-24 | 1.5 | • | • |
| GEIL | GVP34GB1333C9DC | 4GB (2x 2GB) | DS | - | - | 9-9-9-24 | 1.5 | | • |
| GEIL | GVP38GB1333C9DC | 8GB (2x 4GB) | DS | - | - | 9-9-9-24 | 1.5 | • | • |
| GoodRam | GR1333D364L9/2G | 2GB | DS | Qimonda | IDSH1G-03A1F1C-13H | - | - | • | • |
| Hynix | HMT125U6TFR8A-H9 | 2GB | DS | Hynix | H5TC1G83TFR | - | - | • | • |
| NNODISK | M3UN-2GHJBC09 | 2GB | SS | Hynix | H5TQ2G83CFRH9C | 9-9-9-24 | - | • | • |
| NNODISK | M3UN-4GHJAC09 | 4GB | DS | Hynix | H5TQ2G83CFRH9C | 9-9-9-24 | - | • | • |
| KINGMAX | FLFE85F-C8KL9 | 2GB | SS | KINGMAX | KFC8FNLXF-DXX-15A | - | - | • | • |
| KINGMAX | FLFF65F-C8KL9 | 4GB | DS | KINGMAX | KFC8FNLXF-DXX-15A | - | - | • | • |
| KINGSTON | KVR1333D3N9H/4G | 4GB | DS | ELPIDA | J2108BDBG-GN-F | - | 1.5 | • | • |
| KINGSTON | KVR13N9S8H/4 | 4GB | SS | ELPIDA | J4208BBBG-GN-F | | 1.5 | • | • |
| KINGTIGER | F10DA2T1680 | 2GB | DS | KINGTIGER | KTG1333PS1208NST-C9 | - | - | • | • |
| INGTIGER | KTG2G1333PG3 | 2GB | DS | - | - | | | • | • |
| ach Xtreme | MXD3U133316GQ | 16GB (4x 4GB) | DS | - | - | - | - | • | • |
| ach Xtreme | MXD3V13332GS | 2GB | SS | Mach Xtreme | C2S46D30-D313 | | | • | • |
| MICRON | MT8JTF25664AZ-1G4M1 | 2GB | SS | MICRON | D9PFJ | - | - | • | • |
| OCZ | OCZ3G1333LV4GK | 4GB (2x 2GB) | DS | - | - | 9-9-9 | 1.65 | • | - |
| OCZ | OCZ3G1333LV8GK | 8GB (2x 4GB) | DS | - | - | 9-9-9 | 1.65 | • | |
| Patriot | PG38G1333EL(XMP) | 8GB | DS | | - | - | 1.5 | • | • |
| Patriot | PGD316G1333ELK(XMP) | 16GB (2x 8GB) | DS | - | - | 9-9-9-24 | 1.5 | • | • |
| RIDATA | C304627CB1AG22Fe | 2GB | DS | RIDATA | C304627CB1AG22Fe | 9 | - | • | • |
| RIDATA | E304459CB1AG32Cf | 4GB | DS | RIDATA | E304459CB1AG32Cf | 9 | - | • | • |
| SAMSUNG | M378B5273CH0-CH9 | 4GB | DS | SAMSUNG | K4B2G0846C | - | - | • | • |
| Silicon | | - | | | | | | | |
| Power | SP002GBLTU133V02 | 2GB | SS | S-POWER | 20YT3NG | 9-9-9-24 | - | • | • |
| Silicon Power | SP004GBLTU133V02 | 4GB | DS | S-POWER | 20YT3NG | 9-9-9-24 | - | • | • |
| Team | TED34096M1333HC9 | 4GB | DS | Team | T3D2568LT-13 | - | - | • | • |
| Transcend | JM1333KLH-8G(623654) | 8GB | DS | Transcend | TK963EBF3 | - | - | • | • |
| Transcend | TS1GLK64V3H(620053) | 8GB | DS | MICRON | D9QBJ | - | - | • | • |

4 DIMM Slots

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-Memory module with memory frequency higher than 2133 MHz and its corresponding timing or the loaded XMP Profile is not the JEDEC memory standard. The stability and compatibility of these memory modules depend on the CPU's capabilities and other installed devices. -Always install DIMMs with the same CAS latency. For optimal compatibility, we recommend that you install memory modules of the same version or date code (D/C) from the same vendor. Check

with the retailer to get the correct memory modules.

| DDR3 1600 Q | ualified Vendors List (QVL) | | | | | | | | |
|------------------|--------------------------------------|------------------------|-------|------------------|--------------------------|---------------|---------|------------------|--------|
| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket supp | |
| | A D21 11 2020 1 0 1 4 | 400 | DS | MICRON | D9PFJ | 11-11-11-28 | | 2 DIMM | 4 DIMM |
| A-DATA A-DATA | AD3U1600C4G11 AD3U1600W4G11 | 4GB 4GB | SS | A-DATA | 3WCD-1211A | 11-11-11-28 | - | • | • |
| A-DATA A-DATA | AD301600W4G11 AD3U1600W8G11 | 4GB 8GB | DS | A-DATA A-DATA | 3WCD-1211A 3WCD-1211A | 11-11-11-28 | - | | |
| A-DATA A-DATA | AX3U1600W8G11 | 16GB (2x 8GB) | DS | | | 9-11-9-27 | 1.5 | • | • |
| A-DATA A-DATA | | , , | DS | | | 9-11-9-27 | 1.5 | • | • |
| A-DATA | AXDU1600GW8G9B(XMP) AE32G1609U1-U | 16GB (2x 8GB) 2GB | SS | AMD | - 23EY4587MB6H | 9-11-9-27 | 1.65 | • | • |
| | 78.B1GET.9K00C | 2GB 4GB | SS | Apacer | AM5D6008BQQSCK | - 11-11-11-28 | 1.5 | • | • |
| Apacer Apacer | 78.C1GET.9K00C | 8GB | DS | Apacer | AM5D6008BQQSCK | 11-11-11-31 | - | • | |
| Apacer | AHU08GFA60CBT3R(XMP) | 8GB | DS | Apacei | AIVIDDOUUODQQGCK | 9-9-9-24 | | | |
| Asint | SLA302G08-EGJ1C(XMP) | 4GB | DS | | - 302G08-GJ1C | 9-9-9-27 | | • | • |
| | · · · · · | | | Asint | | | | • | • |
| Asint | SLA304G08-ENG1B | 4GB | SS | Asint | 304G08-GN1B | 9-11-11-28 | | • | |
| Asint | SLZ302G08-EGN1C | 2GB | SS | ASint | 302G08-GN1C | - | | | - |
| ATP | AQ12M64B8BKK0S | 4GB | DS | SAMSUNG | K4B2G08460 | - | NO | • | • |
| CORSAIR | CMG4GX3M2A1600C6 | 4GB (2x 2GB) | DS | - | - | 6-6-6-18 | 1.65 | • | • |
| Crucial | BL12864BN1608.8FF(XMP) | 2GB (2x 1GB) | SS | - | | 8-8-8-24 | 1.65 | • | • |
| Crucial | BLT4G3D1608DT1TX0.16FM(XMP) | 4GB | DS | - | - | 8-8-8-24 | 1.5 | • | • |
| EK Memory | EKM324L28BP8-I16(XMP) | 4GB (2x 2GB) | DS | - | · · · | 9 | - | • | • |
| EK Memory | EKM324L28BP8-I16(XMP) | 4GB (2x 2GB) | DS | - | - | 9 | • | • | • |
| Elixir | M2X2G64CB88G7N-DG(XMP) | 2GB | SS | Elixir | N2CB2G80GN-DG | 9-9-9-28 | - | • | • |
| Elixir | M2X4G64CB8HG5N-DG(XMP) | 4GB | DS | Elixir | N2CB2G80GN-DG | 9-9-9-28 | - | • | • |
| G.SKILL | F3-12800CL9D-8GBRL(XMP) | 8GB (2x 4GB) | DS | - | - | 9-9-9-24 | 1.5 | • | • |
| G.SKILL | F3-12800CL9D-8GBSR2(XMP) | 8GB (2x 4GB) | DS | - | | 9-9-9-24 | 1.25 | • | • |
| G.SKILL | F3-12800CL9Q-16GBXL(XMP) | 16GB (4x 4GB) | DS | - | - | 9-9-9-24 | 1.5 | • | • |
| G.SKILL | F3-1600C9Q-32GXM(XMP) | 32GB (4x 8GB) | DS | - | - | - | 1.5 | • | • |
| GEIL | GET316GB1600C9QC(XMP) | 16GB (4x 4GB) | DS | - | - | 9-9-9-28 | 1.6 | • | • |
| GEIL | GUP34GB1600C7DC(XMP) | 4GB (2x 2GB) | DS | - | - | 7-7-7-24 | 1.6 | | • |
| GoodRam | GR1600D364L9/2G | 2GB | DS | GoodRam | GF1008KC-JN | - | - | • | • |
| KINGSTON | KHX1600C9D3K3/12GX(XMP) | 12GB (3x 4GB) | DS | - | - | 9 | 1.65 | • | |
| KINGSTON | KHX1600C9D3K3/6GX(XMP) | 6GB (3x 2GB) | DS | - | - | 9 | 1.65 | • | • |
| KINGSTON | KHX1600C9D3P1K2/8G | 8GB (2x 4GB) | DS | - | - | 9 | 1.5 | • | • |
| KINGTIGER | KTG2G1600PG3(XMP) | 2GB | DS | - | - | - | - | • | • |
| MICRON | MT16JTF1G64AZ-1G6D1 | 8GB | DS | MICRON | D9PBC | - | 1.5 | • | • |
| MICRON | MT8KTF25664AZ-1G6M1 | 2GB | SS | MICRON | D9PFJ | - | - | • | • |
| Mushkin | 996805(XMP) | 4GB (2x 2GB) | DS | - | - | 6-8-6-24 | 1.65 | • | • |
| Mushkin | 998805(XMP) | 6GB (3x 2GB) | DS | - | - | 6-8-6-24 | 1.65 | • | • |
| Patriot | PX7312G1600LLK(XMP) | 12GB (3x 4GB) | DS | - | - | 8-9-8-24 | 1.65 | • | |
| PSC | AL9F8L93B-GN2E | 4GB | SS | PSC | A3P4GF3BLF | - | - | • | • |
| PSC | ALAF8L93B-GN2E | 8GB | DS | PSC | A3P4GF3BLF | - | - | • | • |
| SanMax | SMD-4G68HP-16KZ | 4GB | DS | Hynix | H5TQ2G83BFRPBC | - | 1.5 | • | • |
| SanMax | SMD-4G68NG-16KK | 4GB | DS | ELPIDA | J2108BDBG-GN-F | - | - | • | • |
| Silicon | SD002CBLTL(160)(02(XMD) | 200 | ~~~ | | DOVITENIC | 0 11 11 22 | 1 5 | | |
| Power | SP002GBLTU160V02(XMP) | 2GB | SS | S-POWER | 20YT5NG | 9-11-11-28 | 1.5 | • | • |
| Silicon | | (05 | 50 | 0.001/55 | | | | | |
| Power | SP004GBLTU160V02(XMP) | 4GB | DS | S-POWER | 20YT5NG | 9-9-9-24 | 1.5 | • | |
| Team | TXD34096M1600HC9-D(XMP) | 4GB | DS | Hynix | H5TC2G83BFRH9A | 9-9-9-24 | 1.5 | • | • |
| Transcend | JM1600KLH-8G(626633) | 8GB | DS | Transcend | TK963EBF3 | • | - | • | • |
| Transcend | TS1GLK64V6H(620945) | 8GB | DS | SAMSUNG | K4B4G0846B | | | • | • |
| | | | - | | | | | | |

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| DDR3 1800 Qualifi | DDR3 1800 Qualified Vendors List (QVL) | | | | | | | | | | | |
|-------------------|--|----------------|-------|------------|----------|----------|---------|--------------------------------|--------|--|--|--|
| Vendors | Part No. | Size | SS/DS | Chip Brand | Chin NO. | Timina | Voltage | DIMM socket support (Optional) | | | | |
| Vendors | Tartito. | 0120 | 00/20 | | Chip NO. | rinnig | Voltage | 2 DIMM | 4 DIMM | | | |
| G.SKILL | F3-14400CL9D-4GBRL(XMP) | 4GB (2x 2GB) | DS | - | - | 9-9-9-24 | 1.6 | • | • | | | |
| | | | | | | | | | | | | |

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|---------|----------------------------------|-----------------|-------|------------|----------|-------------|---------|----------------|---------------|
| venuors | Fait NO. | 3120 | 33/03 | Спір Бтапи | Chip NO. | Timing | voitage | 2 DIMM | 4 DIMM |
| A-DATA | AX3U1866XW8G10(XMP) | 16GB (2x 8GB) | DS | - | - | 10-11-10-30 | 1.5 | • | • |
| CORSAIR | CMD16GX3M4A1866C9 (Ver4.13)(XMP) | 16GB (4x 4GB) | DS | - | - | 9-10-9-27 | 1.5 | • | • |
| G.SKILL | F3-14900CL9Q-16GBXL(XMP) | 16GB (4x 4GB) | DS | - | - | 9-10-9-28 | 1.5 | • | • |
| G.SKILL | F3-14900CL9Q-16GBZL(XMP) | 16GB (4x 4GB) | DS | - | - | 9-10-9-28 | 1.5 | • | • |
| Patriot | PXD34G1866ELK(XMP) | 4GB (2x 2GB) | SS | - | - | 9-9-9-24 | 1.65 | • | |
| Patriot | PXD38G1866ELK(XMP) | 8GB (2x 4GB) | DS | - | - | 9-11-9-27 | 1.65 | • | • |
| Team | TLD34G1866HC9KBK(XMP) | 4GB | DS | - | - | 9-11-9-27 | 1.5 | • | |
| Team | TLD38G1866HC10SBK(XMP) | 8GB | DS | - | - | 10-11-10-30 | 1.5 | • | |

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| DDR3 2000 | Qualified Vendors List (QVL) | | | | | | | | |
|-----------|------------------------------|----------------|-------|------------|--------------|----------|---------|----------------|------------------|
| Vendors | Part No. | Size | ss/ns | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket su | pport (Optional) |
| Vendors | i arrivo. | CIEC | 00,20 | onip Brana | omp ito. | , initia | Vollage | 2 DIMM | 4 DIMM |
| Patriot | PV736G2000ELK(XMP) | 6GB (3x 2GB) | DS | - | - | 7-7-7-20 | 1.65 | • | • |
| Silicon | SP002GBLYU200S02(XMP) | 200 | DS | | | | | | |
| Power | SP002GBLY0200S02(XMP) | 2GB | D5 | - | - | - | - | • | • |
| Team | TXD32048M2000C9(XMP) | 2GB | DS | Team | T3D1288RT-20 | 9-9-9-24 | 1.5 | • | • |
| Team | TXD32048M2000C9-L(XMP) | 2GB | DS | Team | T3D1288RT-20 | 9-9-9-24 | 1.6 | • | • |

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| Vendors | Part No. | Size | 00/D0 | | Chip NO. | Timin a | Valtara | DIMM socket su | pport (Optional) |
|----------|--------------------------------|-----------------|-------|------------|----------|------------------|---------|----------------|------------------|
| vendors | Part No. | Size | 55/05 | Chip Brand | Chip NO. | Timing | Voltage | 2 DIMM | 4 DIMM |
| A-DATA | AX3U2133XC4G10(XMP) | 4GB | DS | - | - | 10-11-11-30 | 1.65 | • | • |
| A-DATA | AX3U2133XW8G10(XMP) | 16GB (2x 8GB) | DS | - | - | 10-11-11-30 | 1.65 | • | • |
| Apacer | 78.BAGE4.AFD0C(XMP) | 8GB (2x 4GB) | DS | - | - | 9-9-9-24 | | • | • |
| Apacer | AHU04GFB33CAQ3R(XMP) | 4GB | DS | - | - | 11-13-13-31 | - | • | • |
| CORSAIR | CMD8GX3M2A2133C9 (Ver1.5)(XMP) | 8GB (2x 4GB) | DS | - | - | 9-11-10-27 | 1.5 | • | |
| CORSAIR | CMT4GX3M2B2133C9(Ver7.1)(XMP) | 4GB (2x 2GB) | DS | - | - | 9-10-9-27 | 1.5 | • | |
| G.SKILL | F3-17000CL11Q2-64GBZLD(XMP) | 64GB (8x 8GB) | DS | - | - | 11-11-11-30 | 1.5 | • | • |
| G.SKILL | F3-2133C11Q-32GZL(XMP) | 32GB (4x 8GB) | DS | - | - | 11-11-11-31 | 1.5 | • | • |
| KINGSTON | KHX2133C11D3K4/16GX(XMP) | 16GB (4x 4GB) | DS | - | - | 11-12-11-30 | 1.65 | • | • |
| KINGSTON | KHX21C11T3FK8/64X(XMP) | 64GB (8x 8GB) | DS | - | - | 9-9-9-24 | 1.5 | • | • |
| Patriot | PXD38G2133C11K(XMP) | 8GB (2x 4GB) | DS | - | - | 2133 11-11-11-27 | 1.5 | | • |
| Team | TLD38G2133HC11ABK(XMP) | 8GB | DS | - | - | 11-11-11-31 | 1.65 | • | • |
| Team | TXD34096M2133HC11A-V(XMP) | 4GB | DS | - | - | 11-11-11-31 | 1.65 | • | • |

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| | DDR3 2200 Qi | ualified Vendors List (QVL) | | | | | | | | |
|--|--------------|-----------------------------|--------------|-------|------------|----------|------------|---------|----------------|------------------|
| | Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | . Timing | Voltage | DIMM socket su | pport (Optional) |
| | | Fait NO. | 3126 | | | | | vonage | 2 DIMM | 4 DIMM |
| | G.SKILL | F3-17600CL7D-4GBFLS(XMP) | 4G (2x 2G) | DS | - | - | 7-10-10-28 | 1.65 | • | |

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Γ

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-When installing total memory of 4GB capacity or more, Windows 32-bit operation system may only recognize less than 3GB. Hence, a total installed memory of less than 3GB is recommended.

-The default DIMM frequency depends on its Serial Presence Detect (SPD), which is the standard way of accessing information from a memory module. Under the default state, some memory modules for overclocking may operate at a lower frequency than the vendor-marked value.

-Memory module with memory frequency higher than 2133 MHz and its corresponding timing or the loaded XMP Profile is not the JEDEC memory standard. The stability and compatibility of these memory modules depend on the CPU's capabilities and other installed devices.

| Vendors | Part No. | Size | 00/00 | Chip Brand | Chip NO. | There is a | Voltage | DIMM socket s | upport (Optiona |
|----------|------------------------------|-----------------|-------|------------|----------|------------------|---------|---------------|-----------------|
| vendors | Part No. | Size | 55/05 | Спір Бгапо | Chip NO. | Timing | voitage | 2 DIMM | 4 DIMM |
| CORSAIR | CMGTX8(XMP) | 8GB (4x 2GB) | SS | - | - | 10-12-10-30 | 1.65 | • | • |
| CORSAIR | CMZ16GX3M2A2400C10 (Ver4.21) | 16GB (2x 8GB) | DS | - | - | 10-12-12-31 | 1.65 | • | |
| GEIL | GOC316GB2400C10QC(XMP) | 16GB (4x 4GB) | DS | - | - | 10-11-11-30 | 1.65 | • | • |
| GEIL | GOC316GB2400C11QC(XMP) | 16GB (4x 4GB) | DS | - | - | 11-11-11-30 | 1.65 | • | • |
| KINGSTON | KHX24C11K4/16X(XMP) | 16GB (4x 4GB) | DS | - | - | 11-13-13-30 | 1.65 | • | • |
| KINGSTON | KHX24C11T2K2/8X(XMP) | 8GB (2x 4GB) | DS | - | - | - | 1.65 | • | |
| Patriot | PXD38G2400C11K(XMP) | 8GB (2x 4GB) | DS | - | - | 2400 11-11-11-30 | 1.65 | • | |

4 DIMM Slots

• 1 DIMM: Supports one module inserted in any slot as Single-channel memory configuration

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with the retailer to get the correct memory modules.

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⁻Always install DIMMs with the same CAS latency. For optimal compatibility, we recommend that you install memory modules of the same version or date code (D/C) from the same vendor. Check

| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket su | pport (Optiona |
|---------|---------------------------|-----------------|-------|------------|----------|-------------|---------|----------------|----------------|
| Venuors | Fait No. | 5126 | 33/03 | Chip Brand | Chip NO. | rinning | Voltage | 2 DIMM | 4 DIMM |
| Apacer | 78.BAGFR.AFD0C(XMP) | 8GB (2x 4GB) | DS | - | - | 12-13-13-35 | - | • | • |
| Apacer | 78.CAGFF.AFD0C(XMP) | 16GB (2x 8GB) | DS | - | - | 12-13-13-35 | - | • | • |
| G.SKILL | F3-2666CL10Q-16GBZHD(XMP) | 16GB (4x 4GB) | DS | - | - | 10-12-12-31 | 1.65 | • | |
| GEIL | GOC332GB2666C11QC(XMP) | 32GB (4x 8GB) | DS | - | - | 11-13-13-32 | 1.65 | • | • |
| Team | TXD34G2666HC11CBK(XMP) | 8GB (2x 4GB) | SS | - | - | 11-13-13-35 | 1.65 | • | • |
| Team | TXD38G2666HC11CBK(XMP) | 16GB (2x 8GB) | DS | - | - | 11-13-13-35 | 1.65 | • | |

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| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket su | upport (Optiona |
|---------|---------------------|-----------------|-------|------------|----------|-------------|---------|----------------|-----------------|
| venuors | Fait NO. | 5126 | 33/03 | Спір Бгани | Chip NO. | riming | voltage | 2 DIMM | 4 DIMM |
| A_DATA | AX3U2800GW4G12-DG2 | 32GB (4 x 8GB) | DS | | | 12-14-14-36 | 1.65V | • | • |
| Apacer | 78.BAGH5.AFD0C | 4GB | DS | | | 12-14-14-35 | 1.65V | • | • |
| AVEXIR | AVD3U28001204G-4CI | 16GB (4x 4GB) | DS | - | - | 12-14-14-35 | 1.65V | • | • |
| CORSAIR | CMD16GX3M4A2800C11 | 16GB (4x 4GB) | DS | - | - | 11-14-14-35 | 1.65V | • | • |
| CORSAIR | CMD16GX3M4A2800C12 | 16GB (4x 4GB) | DS | - | - | 12-14-14-36 | 1.65V | • | • |
| G.SKILL | F3-2800C11D-8GTXD | 8GB (2x 4GB) | DS | - | - | 11-13-13-35 | 1.65V | • | • |
| G.SKILL | F3-2800C11Q-16GTXD | 16GB (4x 4GB) | DS | - | - | 11-13-13-35 | 1.65V | • | • |
| G.SKILL | F3-2800C11D-8GTXDG | 8GB (2x 4GB) | DS | - | - | 11-14-14-35 | 1.65V | • | • |
| G.SKILL | F3-2800C11Q-16GTXDG | 16GB (4x 4GB) | DS | - | - | 11-13-13-35 | 1.65V | • | • |
| G.SKILL | F3-2800C12Q-32GTXG | 32GB (4 x 8GB) | DS | - | - | 12-13-13-35 | 1.65V | • | • |
| G.SKILL | F3-2800C10D-8GBTXD | 8GB (2x 4GB) | DS | - | - | 10-13-13-35 | 1.65V | • | • |
| G.SKILL | F3-2800C10D-8GZHD | 8GB (2x 4GB) | DS | | | 10-12-12-35 | 1.65V | • | • |
| G.SKILL | F3-2800C12Q-16GZHD | 16GB (4x 4GB) | DS | - | - | 12-14-14-35 | 1.65V | • | • |
| G.SKILL | F3-2800C11Q-32GTXDG | 32GB (4 x 8GB) | DS | | | 11-14-14-35 | 1.65V | • | • |

4 DIMM Slots

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-When installing total memory of 4GB capacity or more, Windows 32-bit operation system may only recognize less than 3GB. Hence, a total installed memory of less than 3GB is recommended.

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-Memory module with memory frequency higher than 2133 MHz and its corresponding timing or the loaded XMP Profile is not the JEDEC memory standard. The stability and compatibility of these memory modules depend on the CPU's capabilities and other installed devices.

| DDR3 2933 Q | ualified Vendors List (QVL) | | | | | | | | |
|-------------|-----------------------------|-----------------|-------|------------|----------|-------------|---------|----------------|------------------|
| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket su | pport (Optional) |
| Vendora | Tartito. | 0120 | 00,20 | | Chip NO. | rinning | Voltage | 2 DIMM | 4 DIMM |
| AVEXIR | AVD3UH29331204G-4CI | 16GB (4x 4GB) | SS | | | 12-14-14-35 | 1.65V | • | • |
| A_DATA | AX3U2933W4G12 | 16GB (4x 4GB) | SS | | | 12-14-14-36 | 1.65V | • | • |
| G.SKILL | F3-2933C12D-8GTXDG | 8GB (2 x 4GB) | SS | | | 12-14-14-35 | 1.65V | • | • |
| G.SKILL | F3-2933C12Q-16GTXDG | 16GB (4 x 4GB) | SS | | | 12-14-14-35 | 1.65V | • | • |
| G.SKILL | F3-2933C12D-16GTXDG | 16GB (2 x 8GB) | DS | | | 12-14-14-35 | 1.65V | • | • |
| G.SKILL | F3-2933C12Q-32GTXDG | 32GB (4 x 8GB) | DS | | | 12-14-14-35 | 1.65V | • | • |
| CORSAIR | CMY16GX3M4A2933C12R PK1 | 16GB(4 x 4GB) | SS | | | 12-14-14-36 | 1.65V | • | • |

4 DIMM Slots

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| DDR3 3000 Q | ualified Vendors List (QVL) | | | | | | | | |
|-------------|-----------------------------|-----------------|-------|------------|----------|-------------|---------|----------------|------------------|
| Vendors | Part No. | Size | SS/DS | Chip Brand | Chin NO | Timing | Voltage | DIMM socket su | pport (Optional) |
| Venuors | Fait NO. | 5126 | 33/03 | | Chip NO. | rinning | Vollage | 2 DIMM | 4 DIMM |
| AVEXIR | AVD3UH30001204G-4CI | 16GB(4x 4GB) | SS | | | 12-14-14-35 | 1.65V | • | • |
| G.SKILL | F3-3000C12Q-16GTXDG | 16GB (4x 4GB) | SS | - | - | 12-14-14-35 | 1.65V | • | • |
| G.SKILL | F3-3000C12D-8GTXDG | 8GB (2 x 4B) | SS | | | 12-14-14-35 | 1.65V | • | • |
| CORSAIR | CML8GX3M2A3000C12R | 8GB (2 x 4B) | SS | | | 12-14-14-36 | 1.65V | • | • |

Γ 4 DIMM Slots

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| DDR3 3100 Qualified Vendors List (QVL) | | | | | | | | | |
|--|---------------------|--------------|-------|------------|----------|-------------|---------|--------------------------------|--------|
| Vendors | Part No. | Size | SS/DS | Chip Brand | Chin NO. | Timing | Voltage | DIMM socket support (Optional) | |
| | | | | omp Brana | emp ner | | | 2 DIMM | 4 DIMM |
| AVEXIR | AVD3UH31001204G-4CI | 16GB(4x 4GB) | SS | | | 12-14-14-35 | 1.65V | • | • |
| | | | | | | | | | |

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