

SABERTOOTH Z97 Series

DDR3 1333 Qualified Vendors List (QVL)

| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket support (Optional) | |
|----------------------|----------------------------|-----------------|-------|-------------|-------------------|---------------|---------|--------------------------------|--------|
| | | | | | | | | 2 DIMM | 4 DIMM |
| AMD | AE32G1339U1-U | 2GB | SS | AMD | 23EY4587MB3H | - | 1.5 | • | • |
| AMD | AE34G1339U2-U | 4GB | DS | AMD | 23EY4587MB3H | - | 1.5 | • | • |
| Apacer | 78.B1GDE.9L10C | 4GB | DS | Apacer | AM5D5908CEHSBG | 9 | - | • | • |
| Asint | SLA302G08-EDJ1C | 2GB | SS | ASint | 302G08-DJ1C | - | - | • | • |
| Asint | SLA304G08-EDJ1B | 4GB | SS | Asint | 304G08-DJ1B | 9-10-10-26 | - | • | • |
| Asint | SLB304G08-EDJ1B | 8GB | DS | Asint | 304G08-DJ1B | 9-9-9-24 | - | • | • |
| ASint | SLA304G08-EDJ6A | 4GB | SS | ASint | 304G08-DJ6A | 1333-9-9-9-24 | 1.5 | • | • |
| ASint | SLA304G08-EDJ6B | 4GB | SS | ASint | 304G08-DJ6B | 1333-9-9-9-24 | 1.5 | • | • |
| BUFFALO | D3U1333-1G | 1GB | SS | Elpida | J1108BFBG-DJ-F | - | - | • | • |
| BUFFALO | D3U1333-2G | 2GB | DS | Elpida | J1108BFBG-DJ-F | - | - | • | • |
| BUFFALO | D3U1333-4G | 4GB | DS | NANYA | NT5CB256M8BN-CG | - | - | • | • |
| CORSAIR | CMV8GX3M1A1333C9 | 8GB | DS | - | - | 9-9-9-24 | - | • | • |
| CORSAIR | CMV8GX3M2A1333C9 | 8GB (2x 4GB) | DS | - | N/A | 9-9-9-24 | - | • | • |
| CORSAIR | CMX4GX3M1A1333C9 (Ver2.12) | 4GB (1x 4GB) | DS | - | - | 9-9-9-24 | 1.5 | • | • |
| CORSAIR | CMX4GX3M1A1333C9 (Ver5.11) | 4GB (1x 4GB) | DS | - | - | 9-9-9-24 | 1.5 | • | • |
| CORSAIR | CMX8GX3M1A1333C9 (Ver2.2) | 8GB | DS | - | - | 9-9-9-24 | 1.5 | • | • |
| CORSAIR | CMX8GX3M2A1333C9(XMP) | 8GB (2x 4GB) | DS | - | - | 9-9-9-24 | 1.5 | • | • |
| G.SKILL | F3-10666CL9D-8GBXL | 8GB (2x 4GB) | DS | - | - | 9-9-9-24 | 1.5 | • | • |
| GEIL | GG34GB1333C9DC | 4GB (2x 2GB) | DS | GEIL | GL1L128M88BA15B | 9-9-9-24 | 1.3 | • | • |
| GEIL | GVP34GB1333C9DC | 4GB (2x 2GB) | DS | - | - | 9-9-9-24 | 1.5 | • | • |
| GEIL | GVP38GB1333C9DC | 8GB (2x 4GB) | DS | - | - | 9-9-9-24 | 1.5 | • | • |
| INNODISK | M3UN-2GHJBC09 | 2GB | SS | Hynix | H5TQ2G83CFRH9C | 9-9-9-24 | - | • | • |
| INNODISK | M3UN-4GHJAC09 | 4GB | DS | Hynix | H5TQ2G83CFRH9C | 9-9-9-24 | - | • | • |
| KINGMAX | FLFE85F-C8KL9 | 2GB | SS | KINGMAX | KFC8FNLBF-GXX-12A | - | - | • | • |
| KINGMAX | FLFE85F-C8KL9 | 2GB | SS | KINGMAX | KFC8FNLXF-DXX-15A | - | - | • | • |
| KINGMAX | FLFF65F-C8KL9 | 4GB | DS | KINGMAX | KFC8FNLXF-DXX-15A | - | - | • | • |
| KINGSTON | KVR1333D3E9S/4G | 4GB | DS | Elpida | J2108ECSE-DJ-F | 9 | 1.5 | • | • |
| KINGSTON | KVR1333D3N9H/4G | 4GB | DS | ELPIDA | J2108BDBG-GN-F | - | 1.5 | • | • |
| KINGSTON | KVR13N9S8H/4 | 4GB | SS | ELPIDA | J4208BBBG-GN-F | - | 1.5 | • | • |
| Mach Xtreme | MXD3U133316GQ | 16GB (4x 4GB) | DS | - | - | - | - | • | • |
| Mach Xtreme | MXD3V13332GS | 2GB | SS | Mach Xtreme | C2S46D30-D313 | - | - | • | • |
| MICRON | MT8JTF25664AZ-1G4M1 | 2GB | SS | MICRON | D9PFJ | - | - | • | • |
| Patriot | PSD32G13332 | 2GB | DS | Prtriot | PM128M8D3BU-15 | 9 | - | • | • |
| RiDATA | C304627CB1AG22Fe | 2GB | DS | RiDATA | C304627CB1AG22Fe | 9 | - | • | • |
| RiDATA | E304459CB1AG32Cf | 4GB | DS | RiDATA | E304459CB1AG32Cf | 9 | - | • | • |
| Silicon Power | SP001GBLTU133S02 | 1GB | SS | S-POWER | 10YT3E5 | 9 | - | • | • |
| Silicon Power | SP002GBLTU133V02 | 2GB | SS | S-POWER | 20YT3NG | 9-9-9-24 | - | • | • |
| Silicon Power | SP004GBLTU133V02 | 4GB | DS | S-POWER | 20YT3NG | 9-9-9-24 | - | • | • |
| UMAX | 84E44G93UM-13BPSYW | 4GB | SS | UMAX | U2S96D30TP-13 | 1333-9-9-9-24 | - | • | • |
| UMAX | 84E48G93UM-13BPSYW | 8GB | DS | UMAX | U2S96D30TP-13 | 1333-9-9-9-24 | - | • | • |

DDR3 1600 Qualified Vendors List (QVL)

| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket support (Optional) | |
|----------------|------------------------------------|-----------------|-------|------------|----------------|------------------|---------|--------------------------------|--------|
| | | | | | | | | 2 DIMM | 4 DIMM |
| A-DATA | AD3U1600W4G11 | 4GB | SS | A-DATA | 3WCD-1211A | 11-11-11-28 | - | • | • |
| A-DATA | AD3U1600W8G11 | 8GB | DS | A-DATA | 3WCD-1211A | 11-11-11-28 | - | • | • |
| A-DATA | ADDU1600W4G11-B | 4GB | SS | A-DATA | DWND-1211A | 9-9-9-24 | - | • | • |
| A-DATA | ADDU1600W8G11-B | 8GB | DS | ELPIDA | J4208EBBG-GN-F | 9-9-9-24 | - | • | • |
| A-DATA | AX3U1600W4G9-DB(XMP) | 8GB (2x 4GB) | SS | - | - | 9-9-9-24 | 1.5 | • | • |
| A-DATA | AX3U1600W8G9-DB(XMP) | 16GB (2x 8GB) | DS | - | - | 9-9-9-24 | 1.5 | • | • |
| AMD | AE32G1609U1-U | 2GB | SS | AMD | 23EY4587MB6H | - | 1.5 | • | • |
| AMD | AE34G1609U2-U | 4GB | DS | AMD | 23EY4587MB6H | - | 1.5 | • | • |
| AMD | AP38G1608U2K(XMP) | 8GB (2x 4GB) | DS | - | - | 9-9-9-28 | 1.65 | • | • |
| Apacer | 78.B1GE3.9L10C | 4GB | DS | Apacer | AM5D5908DEQSCK | - | 1.65 | • | • |
| Apacer | 78.B1GET.9K00C | 4GB | SS | Apacer | AM5D6008BQQSCK | 11-11-11-28 | - | • | • |
| Apacer | 78.C1GET.9K10C | 8GB | DS | Apacer | AM5D6008BQQSCK | 11-11-11-31 | - | • | • |
| Apacer | AHU04GFA60C9Q3R(XMP) | 4GB | DS | - | - | 11-11-11-28 | - | • | • |
| Apacer | AHU08GFA60CBT3R(XMP) | 8GB | DS | - | - | 9-9-9-24 | - | • | • |
| Asint | SLA302G08-EGG1C(XMP) | 4GB | DS | Asint | 302G08-GG1C | 9-9-9-27 | - | • | • |
| Asint | SLA302G08-EGJ1C(XMP) | 4GB | DS | Asint | 302G08-GJ1C | 9-9-9-27 | - | • | • |
| Asint | SLA302G08-EGN1C | 4GB | DS | ASint | 302G08-GN1C | - | - | • | • |
| Asint | SLA304G08-ENG1B | 4GB | SS | Asint | 304G08-GN1B | 9-11-11-28 | - | • | • |
| Asint | SLB304G08-EGJ1B(XMP) | 8GB | DS | - | - | 9-9-9-27 | - | • | • |
| Asint | SLB304G08-EGN1B | 8GB | DS | ASint | 304G08-GN1B | - | - | • | • |
| Asint | SLZ302G08-EGN1C | 2GB | SS | ASint | 302G08-GN1C | - | - | • | • |
| ASint | SLA304G08-EGN6A | 4GB | SS | ASint | 304G08-GN6A | 1600-11-11-11-28 | 1.5 | • | • |
| ASint | SLA304G08-EGN6B | 4GB | SS | ASint | 304G08-GN6B | 1600-11-11-11-28 | 1.5 | • | • |
| AVEXIR | AVD3U16000904G-2CW(XMP) | 8GB (2x 4GB) | DS | - | - | 11-11-11-28 | 1.5 | • | • |
| CORSAIR | CMD16GX3M2A1600C9 (Ver8.21)(XMP) | 16GB (2x 8GB) | DS | - | - | 9-9-9-24 | 1.5 | • | • |
| CORSAIR | CMD8GX3M2A1600C8 (Ver5.12)(XMP) | 8GB (2x 4GB) | DS | - | - | 1600 8-8-8-24 | 1.5 | • | • |
| CORSAIR | CMD8GX3M2A1600C9 (Ver2.12)(XMP) | 8GB (2x 4GB) | DS | - | - | 9-9-9-24 | 1.5 | • | • |
| CORSAIR | CML16GX3M2A1600C10 (Ver2.21)(XMP) | 16GB (2x 8GB) | DS | - | - | 10-10-10-27 | 1.5 | • | • |
| CORSAIR | CML8GX3M2A1600C9 (Ver7.12)(XMP) | 8GB (2x 4GB) | DS | - | - | 9-9-9- 24 | 1.5 | • | • |
| CORSAIR | CMV8GX3M1A1600C11 | 8GB | DS | - | - | 11-11-11-30 | - | • | • |
| CORSAIR | CMX8GX3M2A1600C9 (Ver3.19)(XMP) | 8GB (2x 4GB) | SS | - | - | 9-9-9-24 | 1.65 | • | • |
| CORSAIR | CMZ16GX3M2A1600C10 (Ver.3.24)(XMP) | 16GB (2x 8GB) | DS | - | - | 10-10-10-27 | 1.5 | • | • |
| CORSAIR | CMZ16GX3M4A1600C9(XMP) | 16GB (4x 4GB) | DS | - | - | 9-9-9-24 | 1.5 | • | • |
| CORSAIR | CMZ16GX3M4X1600C9 (Ver8.16)(XMP) | 16GB (4x 4GB) | DS | - | - | 1600-9-9-9-24 | 1.5 | • | • |
| CORSAIR | CMZ32GX3M4X1600C10 (Ver2.2)(XMP) | 32GB (4x 8GB) | DS | - | - | 10-10-10-27 | 1.5 | • | • |
| CORSAIR | CMZ4GX3M1A1600C9 (Ver8.16)(XMP) | 4GB (1x 4GB) | DS | - | - | 9-9-9-24 | 1.5 | • | • |
| CORSAIR | CMZ8GX3M1A1600C10 (Ver3.23)(XMP) | 8GB (1x 8GB) | DS | - | - | 10-10-10-27 | 1.5 | • | • |
| CORSAIR | CMZ8GX3M1A1600C10 (Ver8.21)(XMP) | 8GB (1x 8GB) | DS | - | - | 10-10-10-27 | 1.5 | • | • |
| CORSAIR | CMZ8GX3M2A1600C8(XMP) | 8GB (2x 4GB) | DS | - | - | 8-8-8-24 | 1.5 | • | • |
| Crucial | BLS4G3D1609DS1S00.16FMR(XMP) | 4GB | DS | - | - | 1600-9-9-9-24 | 1.5 | • | • |

| | | | | | | | | | |
|----------------------|-----------------------------|-----------------|----|----------|----------------|--------------------|------|---|---|
| Crucial | BLT4G3D1608DT1TX0.16FM(XMP) | 4GB | DS | - | - | 8-8-8-24 | 1.5 | • | • |
| crucial | CT102464BA160B.C16FED | 8GB | DS | crucial | CT512X8-160B | 11-11-11-28 | - | • | • |
| 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-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 | F3-12800CL9Q-16GBZL(XMP) | 16GB (4x 4GB) | DS | - | - | 9-9-9-24 | 1.5 | • | • |
| G.SKILL | F3-1600C9Q-32GX(XMP) | 32GB (4x 8GB) | DS | - | - | - | 1.5 | • | • |
| GEIL | GUP34GB1600C7DC(XMP) | 4GB (2x 2GB) | DS | - | - | 7-7-7-24 | 1.6 | • | • |
| KINGMAX | FLGE85F-C8KL9A(XMP) | 2GB | SS | KINGMAX | N/A | 9-9-9-28 | - | • | • |
| KINGMAX | FLGF65F-C8KL9A(XMP) | 4GB | DS | KINGMAX | N/A | 9-9-9-28 | - | • | • |
| KINGSTON | KHX16009CD3K2/8GX(XMP) | 8GB (2x 4GB) | DS | - | - | 9-9-9-27 | 1.65 | • | • |
| KINGSTON | KHX1600C9D3B1/4G(XMP) | 4GB | SS | - | - | 9-9-9-27 | 1.65 | • | • |
| KINGSTON | KHX1600C9D3K3/12GX(XMP) | 12GB (3x 4GB) | DS | - | - | 9 | 1.65 | • | • |
| KINGSTON | KHX1600C9D3K3/6GX(XMP) | 6GB (3x 2GB) | DS | - | - | 9 | 1.65 | • | • |
| KINGSTON | KHX1600C9D3K3/6GX(XMP) | 6GB (3x 2GB) | DS | - | - | 9 | 1.65 | • | • |
| KINGSTON | KHX1600C9D3K4/16GX(XMP) | 16GB (4x 4GB) | DS | - | - | 9-9-9-24 | 1.65 | • | • |
| KINGSTON | KHX1600C9D3K6/24GX(XMP) | 24GB (6x 4GB) | DS | - | - | 9 | 1.65 | • | • |
| KINGSTON | KHX1600C9D3LK2/8GX(XMP) | 8GB (2x 4GB) | DS | - | - | 9-9-9-24 | 1.35 | • | • |
| KINGSTON | KHX1600C9D3P1K2/8G | 8GB (2x 4GB) | DS | - | - | 9 | 1.5 | • | • |
| KINGSTON | KHX16C10B1K2/16X(XMP) | 16GB (2x 8GB) | DS | - | - | - | 1.5 | • | • |
| KINGSTON | KHX16C9K2/16 | 16GB (2x 8GB) | DS | - | - | 1333-9-9-9-24 | 1.5 | • | • |
| KINGSTON | KHX16C9P1K2/16 | 16GB (2x 8GB) | DS | - | - | - | 1.5 | • | • |
| KINGSTON | KVR16N11/4 | 4GB | DS | KINGSTON | D2568JPUCPGGBU | 11-11-11-28-1 | - | • | • |
| KINGSTON | KVR16N11/4 | 4G | DS | Hynix | H5TQ2G83CFRPBC | - | 1.5 | • | • |
| Kingston | KVR16LN11/4(矮版) | 4GB | SS | Kingston | D5128EC4BPGGBU | 11-11-11-28 | 1.35 | • | • |
| Kingston | KVR16LN11/8 | 8GB | DS | Kingston | D5128EETBPGGBU | 11-11-11-28 | 1.35 | • | • |
| Micron | MT16JTF1G64AZ-1G6E1 | 8GB | DS | Micron | D9QBJ | - | - | • | • |
| Micron | MT8JTF51264AZ-1G6E1 | 4GB | SS | Micron | D9QBJ | - | - | • | • |
| MICRON | MT8KTF25664AZ-1G6M1 | 2GB | SS | MICRON | D9PFJ | - | - | • | • |
| MIRA | PLAF8L93B-GN2 | 8GB | DS | - | BJE159C3G-M | 11-11-11-28 | 1.5 | • | • |
| Patriot | PV316G160C9K(XMP) | 16GB (2x 4GB) | SS | - | - | 1600-9-9-9-24 | 1.5 | • | • |
| Patriot | PV316G160C9K(XMP) | 16GB (2x 8GB) | SS | - | - | 1600-9-9-9-24 | 1.5 | • | • |
| SanMax | SMD-4G28N1P-16KM | 4GB | SS | ELPIDA | J4208BBBG-GN-F | 1600 | - | • | • |
| SanMax | SMD-4G68HP-16KZ | 4GB | DS | Hynix | H5TQ2G83BFRPBC | - | 1.5 | • | • |
| SanMax | SMD-4G68NG-16KK | 4GB | DS | ELPIDA | J2108BDBG-GN-F | - | - | • | • |
| SanMax | SMD-8G28NP-16KM | 8GB | DS | ELPIDA | J4208BBBG-GN-F | 1600 | - | • | • |
| SK Hynix | HMT41GU6AFR8A-PB | 8GB | DS | SK hynix | H5TC4G83AFR | 1600-11-11-11-28-1 | - | • | • |
| SK Hynix | HMT451U6AFR8A-PB | 4GB | SS | SK hynix | H5TC4G83AFR | 1600-11-11-11-28-1 | - | • | • |
| SK Hynix | HMT451U6AFR8A-PB | 4GB | SS | SK hynix | H5TC4G83AFR | 1600-11-11-11-28-1 | - | • | • |
| Silicon Power | SP002GBLTU160V02(XMP) | 2GB | SS | S-POWER | 20YT5NG | 9-11-11-28 | 1.5 | • | • |
| Silicon Power | SP004GBLTU160V02(XMP) | 4GB | DS | S-POWER | 20YT5NG | 9-9-9-24 | 1.5 | • | • |

| | | | | | | | | | |
|----------------------|-------------------------|-----------------|----|----------|----------------|--------------------|-----|---|---|
| Silicon Power | SP004GXLYU160NSA(XMP) | 4GB | SS | - | - | 1600-9-9-9-27 | - | • | • |
| Silicon Power | SP008GXLYU160NSA(XMP) | 8GB | DS | - | - | 1600-9-9-9-27 | - | • | • |
| Team | TED34GM1600C11BK | 4GB | DS | Hynix | H5TC2G83EFR | 11-11-11-28 | 1.5 | • | • |
| Team | TED38GM1600C11BK | 8GB | DS | Hynix | H5TQ4G83AFR | 11-11-11-28 | 1.5 | • | • |
| Team | TLD34G1600HC9BK(XMP) | 8GB (2x 4GB) | DS | - | - | 9-9-9-24 | 1.5 | • | • |
| Team | TLD38G1600HC9BK(XMP) | 16GB (2x 8GB) | DS | - | - | 9-9-9-24 | 1.5 | • | • |
| Team | TXD34096M1600HC9-D(XMP) | 4GB | DS | Hynix | H5TC2G83BFRH9A | 9-9-9-24 | 1.5 | • | • |
| Team | TED34GM1600C11BK | 4GB | DS | SK hynix | H5TQ2G83CFR | 11-11-11-28 | 1.5 | • | • |
| Team | TLD38G1600HC9BK(XMP) | 8GB | DS | - | - | 9-9-9-24 | 1.5 | • | • |
| Transcend | TS1GLK64V6H(620945) | 8GB | DS | SAMSUNG | K4B4G0846B | - | - | • | • |
| Transcend | TS1GLK64W6H | 8GB | DS | SAMSUNG | K4B4G0846B | 11-11-11-28-1 | - | • | • |
| Transcend | TS512MLK64W6H | 4GB | SS | SAMSUNG | K4B4G0846B | 11-11-11-28-2 | - | • | • |
| Transcend | TS1GLK64W6H | 8GB | DS | SAMSUNG | K4B4G08460 | 1600-11-11-11-28-2 | - | • | • |
| Transcend | TS512MLK64W6H | 4GB | SS | SAMSUNG | K4B4G08460 | 1600-11-11-11-28-1 | - | • | • |
| UMAX | 84E44G93UM-16BPSYW | 4GB | SS | UMAX | U2S96D30TP-16 | 1600-11-11-11-28 | - | • | • |
| UMAX | 84E48G93UM-16BPSYW | 8GB | DS | UMAX | U2S96D30TP-16 | 1600-11-11-11-28 | - | • | • |
| V-color | TD4G8C11-H11 | 4GB | SS | SK hynix | H5TQ4G83AFR | 11-11-11-28 | - | • | • |

DDR3 1866 Qualified Vendors List (QVL)

| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket support (Optional) | |
|----------------|-----------------------------------|-----------------|-------|------------|----------|----------------|---------|--------------------------------|--------|
| | | | | | | | | 2 DIMM | 4 DIMM |
| CORSAIR | CMD16GX3M2A1866C9 (Ver5.29)(XMP) | 16GB (2x 8GB) | DS | - | - | 1866 9-9-9-27 | 1.5 | • | • |
| CORSAIR | CMD16GX3M4A1866C9 (Ver4.13)(XMP) | 16GB (4x 4GB) | DS | - | - | 9-10-9-27 | 1.5 | • | • |
| CORSAIR | CMD16GX3M4A1866C9 (Ver8.16)(XMP) | 16GB (4x 4GB) | DS | - | - | 9-10-9-27 | 1.5 | • | • |
| CORSAIR | CMD32GX3M4A1866C9 (Ver3.24)(XMP) | 32GB (4x 8GB) | DS | - | - | 9-10-9-27 | 1.5 | • | • |
| CORSAIR | CMD8GX3M2A1866C9 (Ver4.13)(XMP) | 8GB (2x 4GB) | DS | - | - | - | 1.5 | • | • |
| CORSAIR | CMD8GX3M2A1866C9 (Ver5.12)(XMP) | 8GB (2x 4GB) | DS | - | - | 9-10-9-27 | 1.5 | • | • |
| CORSAIR | CMD8GX3M2A1866C9 (Ver8.16)(XMP) | 8GB (2x 4GB) | DS | - | - | 9-10-9-27 | 1.5 | • | • |
| CORSAIR | CMT32GX3M4X1866C9(Ver3.23)(XMP) | 32GB (4x 8GB) | DS | - | - | 9-10-9-27 | 1.5 | • | • |
| CORSAIR | CMY16GX3M2A1866C9 (Ver 4.21)(XMP) | 16GB (2x 8GB) | DS | - | - | 9-10-9-27 | 1.5 | • | • |
| CORSAIR | CMY8GX3M2A1866C9 (Ver3.24)(XMP) | 8GB (2x 4GB) | DS | - | - | 9-10-9-27 | 1.5 | • | • |
| CORSAIR | CMZ16GX3M2A1866C10 (Ver5.29)(XMP) | 16GB (2x 8GB) | DS | - | - | 10-11-10-30 | 1.5 | • | • |
| CORSAIR | CMZ16GX3M2A1866C9(XMP) | 16GB (2x 8GB) | DS | - | - | 1866-9-10-9-27 | 1.5 | • | • |
| CORSAIR | CMZ32GX3M4X1866C10 (Ver3.23)(XMP) | 32GB (4x 8GB) | DS | - | - | 10-11-10-27 | 1.5 | • | • |
| CORSAIR | CMZ32GX3M4X1866C10(Ver3.23)(XMP) | 32GB (4x 8GB) | DS | - | - | 10-11-10-27 | 1.5 | • | • |
| CORSAIR | CMZ8GX3M2A1866C9 (Ver8.16)(XMP) | 8GB (2x 4GB) | DS | - | - | 9-10-9-27 | 1.5 | • | • |
| CORSAIR | CMZ8GX3M2A1866C9(XMP) | 8GB (2x 4GB) | DS | - | - | 9-10-9-27 | 1.5 | • | • |
| CORSAIR | CMZ8GX3M2A1866C9G (Ver5.12)(XMP) | 8GB (2x 4GB) | DS | - | - | 1866 9-10-9-27 | 1.5 | • | • |
| Crucial | BLE8G3D1869DE1TX0.16FED(XMP) | 16GB (2x 8GB) | DS | - | - | 1866-9-9-9-27 | 1.5 | • | • |

| | | | | | | | | | |
|----------------------|------------------------------|-----------------|----|-------|-------------|------------------|------|---|---|
| Crucial | BLE4G3D1869DE1XT0.16FMD(XMP) | 4GB | DS | - | - | 9-9-9-27 | 1.5 | • | • |
| crucial | BLE4G3D1869DE1TX0.16FKR(XMP) | 4GB | DS | - | - | 9-9-9-27 | 1.5 | • | • |
| crucial | BLS8G3D18ADS3.16FED | 8GB | DS | - | - | 10-10-10-30 | 1.5 | • | • |
| crucial | BLT8G3D1869DT1TX0.16FED(XMP) | 8GB | DS | - | - | 9-9-9-27 | 1.5 | • | • |
| G.SKILL | F3-14900CL10Q-32GBZL(XMP) | 32GB (4x 8GB) | DS | - | - | 10-11-10-30 | 1.5 | • | • |
| G.SKILL | F3-14900CL9D-8GBSR(XMP) | 8GB (2x 4GB) | DS | - | - | 9-10-9-28 | 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 | • | • |
| G.SKILL | F3-14900CL9Q-16GBZL(XMP) | 16GB (4x 4GB) | DS | - | - | 9-10-9-28 | 1.5 | • | • |
| G.SKILL | F3-1866C10Q2-64GZM(XMP) | 64GB (2x 8GB) | DS | - | - | 10-11-10-30 | 1.5 | • | • |
| G.SKILL | F3-1866C10Q2-64GZM(XMP) | 64GB (2x 8GB) | DS | - | - | 10-11-10-30 | 1.5 | • | • |
| G.SKILL | F3-1866C9Q-32GXM(XMP) | 32GB (4x 8GB) | DS | - | - | 9-10-9-28 | 1.5 | • | • |
| GEIL | GEEL316GB1866C9DC(XMP) | 16GB (2x 8GB) | DS | - | - | 1866-9-10-9-28 | 1.65 | • | • |
| KINGSTON | KHX1866C9D3K2/8GX(XMP) | 8GB (2x 4GB) | DS | - | - | - | 1.65 | • | • |
| Kingston | HX318C10FWK2/16 | 16GB (2x 8GB) | DS | - | - | 10-11-10-30 | 1.5 | • | • |
| Silicon Power | SP004GXLYU186NSA(XMP) | 4GB | SS | - | - | 1866-9-11-9-27 | - | • | • |
| Silicon Power | SP008GXLYU186NSA(XMP) | 8GB | DS | - | - | 1866-9-11-9-27 | - | • | • |
| Team | TED38GM1866C13BK | 8GB | DS | Hynix | H5TQ4G83AFR | 13-13-13-32 | 1.5 | • | • |
| V-color | TD4G16C13-RD | 4GB | DS | - | - | 1866-13-13-13-32 | 1.5 | • | • |

DDR3 2000 Qualified Vendors List (QVL)

| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket support (Optional) | |
|--------------|-------------------------|----------------|-------|------------|----------------|----------|---------|--------------------------------|--------|
| | | | | | | | | 2 DIMM | 4 DIMM |
| AEXEA | AXA3ES4GK2000LG28V(XMP) | 4GB (2x 2GB) | DS | - | - | - | 1.65 | • | • |
| Asint | SLA302G08-ML2HB(XMP) | 4GB | DS | Hynix | H5TQ2G83BFRH9C | 9-9-9-27 | - | • | • |
| GEIL | GUP34GB2000C9DC(XMP) | 4GB (2x 2GB) | DS | - | - | 9-9-9-28 | 1.65 | • | • |

DDR3 2133 Qualified Vendors List (QVL)

| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket support (Optional) | |
|----------------|-----------------------------------|-----------------|-------|------------|----------|-------------|---------|--------------------------------|--------|
| | | | | | | | | 2 DIMM | 4 DIMM |
| A-DATA | AX3U2133W4G10-DR(XMP) | 8GB (2x 4GB) | SS | - | - | 10-11-11-30 | 1.65 | • | • |
| A-DATA | AX3U2133W8G10-DR(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 | CMD16GX3M2A2133C9 (Ver4.21)(XMP) | 16GB (2x 8GB) | DS | - | - | 9-11-11-31 | 1.65 | • | • |
| CORSAIR | CMD32GX3M4A2133C9 (Ver4.21)(XMP) | 32GB (4x 8GB) | DS | - | - | 9-11-11-31 | 1.65 | • | • |
| CORSAIR | CMD8GX3M2A2133C9 (Ver1.5)(XMP) | 8GB (2x 4GB) | DS | - | - | 9-11-10-27 | 1.5 | • | • |
| CORSAIR | CMD8GX3M2B2133C9 (Ver5.12)(XMP) | 8GB (2x 4GB) | DS | - | - | 9-11-11-31 | 1.65 | • | • |
| CORSAIR | CMY8GX3M2A2133C11R (Ver4.21)(XMP) | 8GB (2x 4GB) | DS | - | - | 11-11-11-27 | 1.5 | • | • |
| CORSAIR | CMZ8GX3M2A2133C11R (Ver4.21)(XMP) | 8GB (2x 4GB) | DS | - | - | 11-11-11-27 | 1.5 | • | • |
| G.SKILL | F3-17000CL11Q2-64GBZLD(XMP) | 64GB (8x 8GB) | DS | - | - | 11-11-11-30 | 1.5 | • | • |
| G.SKILL | F3-17000CL9Q-16GBZH(XMP) | 16GB (4x 4GB) | DS | - | - | 9-11-10-28 | 1.65 | • | • |

| | | | | | | | | | |
|----------------------|--------------------------|-----------------|----|---|---|------------------|------|---|---|
| G.SKILL | F3-2133C10Q-32GSR(XMP) | 32GB (4x 8GB) | DS | - | - | 10-12-12-31 | 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 | • | • |
| Silicon Power | SP004GXLYU213NSA(XMP) | 4GB | SS | - | - | 2133-11-12-11-30 | - | • | • |
| Silicon Power | SP008GXLYU213NSA(XMP) | 8GB | DS | - | - | 2133-11-12-11-30 | - | • | • |
| Team | TLD38G2133HC11ABK(XMP) | 8GB | DS | - | - | 11-11-11-31 | 1.65 | • | • |
| Transcend | TX2133KLH-16GK(XMP) | 16GB (2x 8GB) | DS | - | - | 2133-10-11-10-27 | 1.6 | • | • |
| Transcend | TX2133KLN-8GK(XMP) | 8GB (2x 4GB) | DS | - | - | 2133-10-11-10-27 | 1.6 | • | • |

DDR3 2200 Qualified Vendors List (QVL)

| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket support (Optional) | |
|-------------|-----------------------|----------------|-------|------------|----------|-----------|---------|--------------------------------|--------|
| | | | | | | | | 2 DIMM | 4 DIMM |
| GEIL | GET34GB2200C9DC(XMP) | 4GB (2x 2GB) | DS | - | - | 9-10-9-28 | 1.65 | • | • |
| GEIL | GET38GB2200C9ADC(XMP) | 8GB (2x 4GB) | DS | - | - | 9-11-9-28 | 1.65 | • | • |

DDR3 2400 Qualified Vendors List (QVL)

| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket support (Optional) | |
|-----------------|------------------------------------|-----------------|-------|------------|----------|-------------|---------|--------------------------------|--------|
| | | | | | | | | 2 DIMM | 4 DIMM |
| A-DATA | AX3U2400W4G11-DMV(XMP) | 8GB (2x 4GB) | SS | - | - | 11-13-13-35 | 1.65 | • | • |
| A-DATA | AX3U2400W8G11-DMV(XMP) | 16GB (2x 8GB) | DS | - | - | 11-13-13-35 | 1.65 | • | • |
| Apacer | 78.BAGFL.AFD0C(XMP) | 8GB (2x 4GB) | DS | - | - | 11-12-12-30 | - | • | • |
| Apacer | 783BAGF3.AFD0C(XMP) | 8GB (2x 4GB) | DS | - | - | 11-11-11-30 | - | • | • |
| CORSAIR | CMD16GX3M2A2400C10 (Ver4.21)(XMP) | 16GB (2x 8GB) | DS | - | - | 10-12-12-31 | 1.65 | • | • |
| CORSAIR | CMD32GX3M4A2400C10 (Ver5.29)(XMP) | 32GB (4x 8GB) | DS | - | - | 10-12-12-31 | 1.65 | • | • |
| CORSAIR | CMY16GX3M2A2400C10A (Ver4.21)(XMP) | 16GB (8x 2GB) | DS | - | - | 10-12-12-31 | 1.65 | • | • |
| CORSAIR | CMY16GX3M2A2400C10R (Ver4.21)(XMP) | 16GB (2x 8GB) | DS | - | - | 10-12-12-31 | 1.65 | • | • |
| CORSAIR | CMZ16GX3M2A2400C10 (Ver4.21) | 16GB (2x 8GB) | DS | - | - | 10-12-12-31 | 1.65 | • | • |
| CORSAIR | CMD32GX3M4A2400C10(Ver 4.21)(XMP) | 32GB (4x 8GB) | DS | - | - | 10-12-12-31 | 1.65 | • | • |
| G.SKILL | F3-19200CL10Q2-64GBZHD(XMP) | 64GB (8x 8GB) | DS | - | - | 10-12-12-31 | 1.65 | • | • |
| G.SKILL | F3-19200CL10Q-32GBZHD(XMP) | 32GB (4x 8GB) | DS | - | - | 10-12-12-31 | 1.65 | • | • |
| G.SKILL | F3-19200CL11Q-16GBZHD(XMP) | 16GB (4x 4GB) | DS | - | - | 11-11-11-31 | 1.65 | • | • |
| G.SKILL | F3-19200CL9D-4GBPIS(XMP) | 4G (2x 2G) | DS | - | - | 9-11-9-28 | 1.65 | • | • |
| G.SKILL | F3-19200CL9Q-16GBZMD(XMP) | 16GB (4x 4GB) | DS | - | - | 9-11-11-31 | 1.65 | • | • |
| G.SKILL | F3-2400C11Q-32GXM(XMP) | 32GB (4x 8GB) | DS | - | - | 11-13-13-31 | 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 | KHX2400C11D3K4/8GX(XMP) | 8GB (4x 2GB) | SS | - | - | 11-13-11-30 | 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 | • | • |
| KINGSTON | KHX24C11T3K2/16X(XMP) | 16GB (2x 8GB) | DS | - | - | 2400-11-13-13-32 | 1.65 | • | |
| KINGSTON | KHX24C11T3K4(XMP) | 16GB (4x 4GB) | DS | - | - | 2400-11-13-13-30 | 1.65 | • | • |
| KINGSTON | KHX24C11T3K4/32X(XMP) | 32GB (4x 8GB) | DS | - | - | 9-9-9-24 | 1.65 | • | • |
| Mushkin | 997122R(XMP) | 16GB (2x 8GB) | DS | - | - | 2400-10-12-12-28 | 1.65 | • | • |
| Silicon Power | SP004GXLYU240NSA(XMP) | 4GB | SS | - | - | 2400-11-13-13-32 | - | • | • |
| Team | TLD38G2400HC11CBK(XMP) | 8GB | DS | - | - | 11-13-13-35 | 1.65 | • | • |
| Transcend | TX2400KLN-8GK(XMP) | 8GB (2x 4GB) | DS | - | - | 2400-11-12-11-29 | 1.6 | • | • |

DDR3 2500 Qualified Vendors List (QVL)

| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket support (Optional) | |
|----------------|----------------------------|-----------------|-------|------------|----------|-------------|---------|--------------------------------|--------|
| | | | | | | | | 2 DIMM | 4 DIMM |
| G.SKILL | F3-20000CL10Q-16GBZHD(XMP) | 16GB (4x 4GB) | DS | - | - | 10-11-11-31 | 1.65 | • | • |

DDR3 2666 Qualified Vendors List (QVL)

| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket support (Optional) | |
|-----------------|-----------------------------------|-----------------|-------|------------|----------|------------------|---------|--------------------------------|--------|
| | | | | | | | | 2 DIMM | 4 DIMM |
| Apacer | 78.BAGFF.AFC0C(XMP) | 8GB (2x 4GB) | DS | - | - | 12-13-13-35 | - | • | • |
| 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 | - | • | • |
| CORSAIR | CMD16GX3M4A2666C11 (Ver5.12)(XMP) | 16GB (4x 4GB) | DS | - | - | 11-13-13-35 | 1.65 | • | • |
| 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 | • | • |
| KINGSTON | KHX26C11T2K2/8X(XMP) | 8GB (2x 4GB) | SS | - | - | 2666-11-13-13-32 | 1.65 | • | |

DDR3 2800 Qualified Vendors List (QVL)

| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket support (Optional) | |
|----------------|---------------------------|------------------|-------|------------|----------|-------------|---------|--------------------------------|--------|
| | | | | | | | | 2 DIMM | 4 DIMM |
| AVEXIR | AVD3UH28001208G-4BZ1(XMP) | 32GB (4x 8GB) | DS | - | - | 12-14-14-35 | 1.65V | • | • |
| A_DATA | AX3U2800W4G12(XMP) | 16GB (4x 4GB) | SS | - | - | 12-14-14-36 | 1.65V | • | • |
| A_DATA | AX3U2800W8G12(XMP) | 32GB (4x 8GB) | DS | - | - | 12-14-14-36 | 1.65V | • | |
| G.SKILL | F3-2800C12Q-32GTXD(XMP) | 32GB (4x 8GB) | DS | - | - | 12-13-13-35 | 1.65V | • | • |
| G.SKILL | F3-2800C12Q-32GTXDG(XMP) | 32GB (4x 8GB) | DS | - | - | 12-14-14-35 | 1.65V | • | • |
| G.SKILL | F3-2800C11Q-16GTXD(XMP) | 16GB (4x 4GB) | DS | - | - | 11-13-13-35 | 1.65V | • | • |
| G.SKILL | F3-2800C11D-8GTXD(XMP) | 8GB (2x 4GB) | DS | - | - | 11-13-13-35 | 1.65V | • | • |
| G.SKILL | F3-2800C11D-8GTXDG(XMP) | 8GB (2x 4GB) | DS | - | - | 11-14-14-35 | 1.65V | • | • |
| G.SKILL | F3-2800C11Q-16GTXDG(XMP) | 16GB (4x 4GB) | DS | - | - | 11-14-14-35 | 1.65V | • | • |
| G.SKILL | F3-2800C10D-8GTXD(XMP) | 8GB (2x 4GB) | DS | - | - | 10-12-12-35 | 1.65V | • | • |
| G.SKILL | F3-2800C12Q-16GTXDG(XMP) | 16GB (4x 4GB) | DS | - | - | 12-14-14-35 | 1.65V | • | • |
| G.SKILL | F3-2800C11D-16GTXDG(XMP) | 16GB (2 x 8GB) | DS | - | - | 11-14-14-35 | 1.65V | • | • |
| G.SKILL | F3-2800C11Q-32GTXDG(XMP) | 32GB (4 x 8GB) | DS | - | - | 11-14-14-35 | 1.65V | • | • |

| | | | | | | | | | |
|-----------------|--------------------------|-----------------|----|---|---|-------------|-------|---|---|
| G.SKILL | F3-2800C11D-16GTXD(XMP) | 16GB (2x 8GB) | DS | - | - | 11-13-13-35 | 1.65V | • | • |
| G.SKILL | F3-2800C11Q-32GTXD(XMP) | 32GB (4 x 8GB) | DS | - | - | 11-13-13-35 | 1.65V | • | • |
| G.SKILL | F3-2800C12D-16GTXD(XMP) | 16GB (2 x 8GB) | DS | - | - | 12-14-14-35 | 1.65V | • | • |
| APACER | 78.BAGH5.AFD0C(XMP) | 8GB (2x 4GB) | DS | - | - | 12-14-14-35 | 1.65V | • | • |
| APACER | 78.CAGH6.AFD0C(XMP) | 16GB (2x 8GB) | DS | - | - | 12-14-14-35 | 1.65V | • | • |
| CORSAIR | CMD16GX3M4A2800C11(XMP) | 16GB (4x 4GB) | DS | - | - | 11-14-14-35 | 1.65V | • | • |
| CORSAIR | CMD16GX3M4A2800C12(XMP) | 16GB (4x 4GB) | DS | - | - | 12-14-14-36 | 1.65V | • | • |
| CORSAIR | CMY16GX3M4A2800C12R(XMP) | 16GB (4x 4GB) | SS | - | - | 12-14-14-36 | 1.65V | • | • |
| KINGSTON | KHX28C12T2K2/8X | 8GB (2x 4GB) | SS | - | - | 12-14-14-32 | 1.65V | • | • |
| PANRAM | PUD32800C124G2LSK | 8GB (2x 4GB) | SS | - | - | 12-14-14-32 | 1.65V | • | • |
| Team | TXD38G2800HC12DBK(XMP) | 32GB (4 x 8GB) | DS | - | - | 11-14-14-35 | 1.65V | • | • |

DDR3 2933 Qualified Vendors List (QVL)

| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket support (Optional) | |
|----------------|--------------------------|-----------------|-------|------------|----------|-------------|---------|--------------------------------|--------|
| | | | | | | | | 2 DIMM | 4 DIMM |
| AVEXIR | AVD3UH29331204G-4CI(XMP) | 16GB (4x 4GB) | SS | - | - | 12-14-14-35 | 1.65V | • | • |
| GEIL | GPW38GB2933C12ADC(XMP) | 8GB (2 x 4GB) | SS | - | - | 12-14-14-36 | 1.65V | • | • |
| APACER | 78.BAGHB.AFL0C(XMP) | 8GB (2 x 4GB) | SS | - | - | 12-14-14-35 | 1.65V | • | • |
| A_DATA | AX3U2933W4G12(XMP) | 16GB (4x 4GB) | SS | - | - | 12-14-14-36 | 1.65V | • | • |
| G.SKILL | F3-2933C12D-8GTXDG(XMP) | 8GB (2 x 4GB) | SS | - | - | 12-14-14-35 | 1.65V | • | • |
| G.SKILL | F3-2933C12Q-16GTXDG(XMP) | 16GB (4 x 4GB) | SS | - | - | 12-14-14-35 | 1.65V | • | • |
| TEAM | TXD34G2933HC12CBK | 8GB (2 x 4GB) | SS | - | - | 12-15-15-35 | 1.65V | • | • |
| CORSAIR | CMY16GX3M4A2933C12R(XMP) | 16GB(4 x 4GB) | SS | - | - | 12-14-14-36 | 1.65V | • | • |

DDR3 3000 Qualified Vendors List (QVL)

| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket support (Optional) | |
|----------------|---------------------------|----------------|-------|------------|----------|-------------|---------|--------------------------------|--------|
| | | | | | | | | 2 DIMM | 4 DIMM |
| AVEXIR | AVD3UH30001204G-4BZ1(XMP) | 16GB (4x 4GB) | SS | - | - | 12-14-14-35 | 1.65V | • | • |
| APACER | 78.BAGHN.AFL0C | 16GB (4x 4GB) | SS | - | - | 12-14-14-35 | 1.65V | • | • |
| G.SKILL | F3-3000C12Q-16GTXDG(XMP) | 16GB (4x 4GB) | SS | - | - | 12-14-14-35 | 1.65V | • | • |
| G.SKILL | F3-3000C12D-8GTXDG(XMP) | 8GB (2 x 4B) | SS | - | - | 12-14-14-35 | 1.65V | • | • |
| CORSAIR | CMY8GX3M2A3000C12R(XMP) | 8GB (2 x 4B) | SS | - | - | 12-14-14-36 | 1.65V | • | • |

DDR3 3100 Qualified Vendors List (QVL)

| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket support (Optional) | |
|---------------|--------------------------|----------------|-------|------------|----------|-------------|---------|--------------------------------|--------|
| | | | | | | | | 2 DIMM | 4 DIMM |
| AVEXIR | AVD3UH31001204G-4CI(XMP) | 16GB (4x 4GB) | SS | - | - | 12-15-15-35 | 1.65V | • | • |
| A-DATA | AX3U3100W4G12-DMV(XMP) | 8GB (2x 4GB) | SS | - | - | 12-14-14-36 | 1.65V | • | • |

DDR3 3200 Qualified Vendors List (QVL)

| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket support (Optional) | |
|----------------|--------------------------|----------------|-------|------------|----------|-------------|---------|--------------------------------|--------|
| | | | | | | | | 2 DIMM | 4 DIMM |
| AVEXIR | AVD3UH32001304G-4CI(XMP) | 16GB (4x 4GB) | SS | - | - | 13-15-15-35 | 1.65V | • | • |
| G.SKILL | F3-3200C12Q-16GTXDG(XMP) | 16GB (4x 4GB) | SS | - | - | 12-15-15-35 | 1.65V | • | • |

4 DIMM Slots

- **1 DIMM:** Supports one module inserted in any slot as Single-channel memory configuration
- **2 DIMM:** Supports one pair of modules inserted into either the beige slots or the brown slots as one pair of Dual-channel memory configuration
- **4 DIMM:** Supports 4 modules inserted into both the beige and brown slots as two pairs of Dual-channel memory configuration

-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.

-It is recommended to install the memory modules from the slots for better overclocking capability.

-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.

-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.