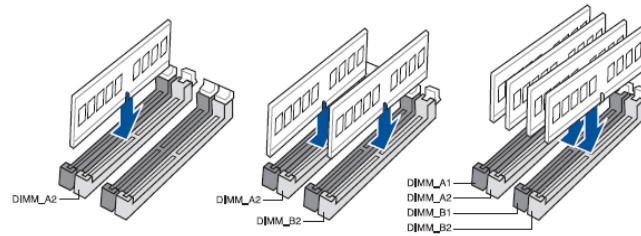


H81-GAMER Memory Qualified Vendors List (QVL)

You may install 1 GB, 2 GB, 4 GB, and 8 GB unbuffered non-ECC DDR3 DIMMs into the DIMM sockets. You can refer to the recommended memory population below.



| Combination Recommended | DIMM_A1 | DIMM_A2 | DIMM_B1 | DIMM_B2 |
|-------------------------|-------------------------|---------|-------------------------|---------|
| 1 | | SS | | |
| 2 | | | | SS |
| 3 | | SS | | SS |
| 4 | | DS | | |
| 5 | | | | DS |
| 6 | | DS | | DS |
| 7 | SS | SS | SS | SS |
| | SS: Single-sided memory | | DS: Double-sided memory | |

* Hyper DIMM support is subject to the physical characteristics of individual CPUs.

** Due to Intel® chipset limitation, DDR3 1600 MHz and higher memory modules on XMP mode will run at the maximum transfer rate of DDR3 1600 MHz.

*** Due to Intel® chipset limitation, this motherboard can only support single-side memories when four modules are installed and they will run at the maximum transfer rate of DDR3 1066 MHz.

DDR3 3100 Qualified Vendors List (QVL)

| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket support (Optional) | | |
|---------|----------------------|------|-------|------------|----------|-------------|---------|--------------------------------|--------|--------|
| | | | | | | | | 1 DIMM | 2 DIMM | 4 DIMM |
| AVEXIR | AVD3UH31001204G-2CIR | 4GB | SS | N/A | N/A | 11-11-28-39 | 1.65V | ● | ● | |
| AVEXIR | AVD3UH31001204G-4BZ1 | 4GB | SS | N/A | N/A | 11-11-28-39 | 1.65V | ● | ● | ● |
| ADATA | AX3U3100W4G12-DGV | 4GB | SS | N/A | N/A | 12-14-14-36 | 1.65V | ● | ● | |
| ADATA | AX3U3100W4G12-DMV | 4GB | SS | N/A | N/A | 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) | | |
|---------|----------------------|------|-------|------------|----------|-------------|---------|--------------------------------|--------|--------|
| | | | | | | | | 1 DIMM | 2 DIMM | 4 DIMM |
| G.SKILL | F3-3000C12Q-16GTXDG | 4GB | SS | N/A | N/A | 9-9-9-24-33 | 1.65V | ● | ● | ● |
| AVEXIR | AVD3UH31001204G-4BZ1 | 4GB | SS | N/A | N/A | 9-9-9-28-39 | 1.65V | ● | ● | ● |

DDR3 2933 Qualified Vendors List (QVL)

| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket support (Optional) | | |
|---------|----------------------|------|-------|------------|----------|-------------|---------|--------------------------------|--------|--------|
| | | | | | | | | 1 DIMM | 2 DIMM | 4 DIMM |
| G.SKILL | F3-2933C12Q-16GTDXG | 4GB | SS | N/A | N/A | 12-14-14-35 | 1.65V | ● | ● | ● |
| AVEXIR | AVD3UH29331204G-4BZ1 | 4GB | SS | N/A | N/A | 12-14-14-35 | 1.65V | ● | ● | ● |
| G.SKILL | F3-2933C12D-16GTDXG | 8GB | DS | N/A | N/A | 12-14-14-35 | 1.65V | ● | | |
| AVEXIR | AVD3UH29331208G-4BZ1 | 8GB | DS | N/A | N/A | 12-14-14-35 | 1.65V | ● | ● | |

DDR3 2800 Qualified Vendors List (QVL)

| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket support (Optional) | | |
|---------|----------------------|------|-------|------------|----------|----------------|---------|--------------------------------|--------|--------|
| | | | | | | | | 1 DIMM | 2 DIMM | 4 DIMM |
| ADATA | AX3U2800W4G12-DGV | 4GB | SS | N/A | N/A | 12-12-14-36 | 1.65V | ● | ● | ● |
| AVEXIR | AVD3UH28001204G-4BZ1 | 4GB | SS | N/A | N/A | 11-11-11-28-39 | 1.65V | ● | ● | ● |

DDR3 2800 Qualified Vendors List (QVL)

| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket support (Optional) | | |
|----------------|--------------------------|-------------|-------|------------|----------|-------------|---------|--------------------------------|--------|--------|
| | | | | | | | | 1 DIMM | 2 DIMM | 4 DIMM |
| CORSAIR | CMD16GX3M4A2800C12 (XMP) | 4GB | DS | N/A | N/A | 12-14-14-36 | 1.65V | ● | ● | |
| G.SKILL | F3-2800C11Q-16GTXD(XMP) | 16GB(4GBx4) | DS | N/A | N/A | 11-13-13-35 | 1.65V | ● | ● | |
| G.SKILL | F3-2800C12Q-32GGTXDG | 8GB | DS | N/A | N/A | 12-14-14-35 | 1.65V | ● | ● | |
| ADATA | AX3U2800W8G12-DGV | 8GB | DS | N/A | N/A | 12-12-14-36 | 1.65V | ● | ● | |
| AVEXIR | AVD3UH28001208G-4BZ1 | 8GB | DS | N/A | N/A | | 1.65V | ● | ● | |

DDR3 2666 Qualified Vendors List (QVL)

| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket support (Optional) | | |
|----------------|------------------------------|-------------|-------|------------|----------|-------------|---------|--------------------------------|--------|--------|
| | | | | | | | | 1 DIMM | 2 DIMM | 4 DIMM |
| AVEXIR | AVD3U26661204G-4CI | 8GB(Kit) | SS | N/A | N/A | | 1.65V | ● | ● | ● |
| AVEXIR | AVD3U26661104G-4BZ1 | 4GB | SS | N/A | N/A | | 1.65V | ● | ● | ● |
| CORSAIR | CMD16GX3M4A2666C10 (Ver4.13) | 4GB | DS | N/A | N/A | 10-12-12-31 | 1.65V | ● | ● | |
| CORSAIR | CMD16GX3M4A2666C11 (XMP) | 4GB | DS | N/A | N/A | 11-13-13-35 | 1.65V | ● | ● | |
| G.SKILL | F3-2666C11Q-16GTXD(XMP) | 16GB(4GBx4) | DS | N/A | N/A | 11-13-13-35 | 1.65V | ● | ● | |
| AVEXIR | AVD3U26661208G-4CI | 8GB | DS | N/A | N/A | | 1.65V | ● | ● | |
| AVEXIR | AVD3U26661108G-4BZ1 | 8GB | DS | N/A | N/A | | 1.65V | ● | ● | |

DDR3 2600 Qualified Vendors List (QVL)

| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket support (Optional) | | |
|----------------|---------------------------|-----------------|-------|------------|----------|-------------|---------|--------------------------------|--------|--------|
| | | | | | | | | 1 DIMM | 2 DIMM | 4 DIMM |
| G.SKILL | F3-2600CL10Q-16GBZMD(XMP) | 16GB(4x 4GB) | DS | N/A | N/A | 10-12-12-31 | 1.65V | ● | ● | |
| G.SKILL | F3-2600CL11Q-32GBZHD(XMP) | 32GB(8GBX4) | DS | N/A | N/A | 11-13-13-35 | 1.65V | ● | ● | |
| ADATA | AX3U2600GW8G11 | 16GB (2x 8GB) | DS | N/A | N/A | 11-13-13-35 | 1.65V | ● | ● | |

| DDR3 2400 Qualified Vendors List (QVL) | | | | | | | | | | |
|--|-------------------------------|-----------------|-------|------------|----------|-------------|---------|--------------------------------|--------|--------|
| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket support (Optional) | | |
| | | | | | | | | 1 DIMM | 2 DIMM | 4 DIMM |
| CORSAIR | CMGTX8(XMP) | 8GB (2GBx 4) | SS | N/A | N/A | 10-12-10-27 | 1.65V | ● | ● | |
| G.SKILL | F3-2400C10D-8GTX(XMP) | 8GB(2x 4GB) | SS | N/A | N/A | 10-12-12-31 | 1.65V | ● | ● | ● |
| KINGMAX | FLLE88F-C8KCAA H AIS(XMP) | 2GB | SS | N/A | N/A | 10-11-10-30 | 1.8V | ● | ● | ● |
| KINGSTON | KHX2400C11D3K4/8GX(XMP) | 8GB(4GBx2) | SS | N/A | N/A | 9-9-9-24-33 | 1.65V | ● | ● | ● |
| ADATA | AX3U2400W4G11-DMV | 8GB (2x 4GB) | SS | N/A | N/A | 11-13-13-35 | 1.65V | ● | ● | ● |
| AMD | AG34G2401G1S | 4GB | SS | N/A | N/A | 11-12-12-31 | 1.65V | ● | ● | ● |
| AVEXIR | AVD3U24001004G-4BZ1 | 4GB | SS | N/A | N/A | | 1.65V | ● | ● | ● |
| AVEXIR | AVD3U24001104G-4CI | 4GB | SS | N/A | N/A | | 1.65V | ● | ● | ● |
| CORSAIR | CMD16GX3M2A2400C9(Ver4.21) | 8GB | DS | N/A | N/A | 10-12-12-31 | 1.65V | ● | ● | |
| CORSAIR | CMD32GX3M4A2400C10(Ver5.29) | 8GB | DS | N/A | N/A | 10-12-12-31 | 1.65V | ● | ● | |
| CORSAIR | CMY16GX3M2A2400C10R(Ver4.21) | 8GB | DS | N/A | N/A | 10-12-12-31 | 1.65V | ● | ● | |
| G.SKILL | F3-19200CL11Q-16GBZHD(XMP1.3) | 16GB (4GB x4) | DS | N/A | N/A | 11-11-11-31 | 1.65V | ● | | |
| G.SKILL | F3-19200CL9D-4GBPIS(XMP) | 4GB(2x 2GB) | DS | N/A | N/A | 9-11-9-28 | 1.65V | ● | ● | |
| G.SKILL | F3-19200CL 10Q-32GBZHD(XMP) | 8GB | DS | N/A | N/A | 10-12-12-31 | 1.65V | ● | ● | |
| G.SKILL | F3-2400C11D-8GRS | 4GB | DS | N/A | N/A | 11-11-13-31 | 1.65V | ● | ● | |
| GEIL | GET34GB2400C9DC(XMP) | 2GB | DS | N/A | N/A | 9-11-9-27 | 1.65V | ● | ● | |
| KINGSTON | KHX24C11T2K2/8X(XMP) | 4GB | DS | N/A | N/A | 9-9-9-24-33 | 1.65V | ● | ● | |
| ADATA | AX3U2400W8G11-DMV | 16GB (2x 8GB) | DS | N/A | N/A | 11-13-13-35 | 1.65V | ● | ● | |
| AVEXIR | AVD3U24001008G-4BZ1 | 8GB | DS | N/A | N/A | | 1.65V | ● | ● | |
| AVEXIR | AVD3U24001108G-4CI | 8GB | DS | N/A | N/A | | 1.65V | ● | ● | |
| PATRIOT | PVV34G2400C9K(XMP) | 4GB(2x 2GB) | DS | N/A | N/A | 9-11-9-27 | 1.65V | ● | ● | |
| PANRAM | PUD32400C118G2LSK | 8GB | DS | N/A | N/A | 11-13-13-35 | 1.65V | ● | ● | |
| TEAM | TLD38G2400HC11CBK | 8GB | DS | - | - | 11-13-13-35 | 1.65V | ● | ● | |

| DDR3 2250 Qualified Vendors List (QVL) | | | | | | | | | | |
|--|--------------------------|----------------|-------|------------|----------|-------------|---------|--------------------------------|--------|--------|
| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket support (Optional) | | |
| | | | | | | | | 1 DIMM | 2 DIMM | 4 DIMM |
| KINGSTON | KHX2250C9D3T1K2/4GX(XMP) | 4GB (2x 2GB) | DS | N/A | N/A | 9-9-9-24-33 | 1.65V | ● | ● | |

| DDR3 2200 Qualified Vendors List (QVL) | | | | | | | | | | |
|--|--------------------------|------|-------|------------|----------|-------------|---------|--------------------------------|--------|--------|
| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket support (Optional) | | |
| | | | | | | | | 1 DIMM | 2 DIMM | 4 DIMM |
| GEIL | GET34GB2200C9DC(XMP) | 2GB | DS | N/A | N/A | 9-10-9-28 | 1.65V | ● | ● | |
| GEIL | GET38GB2200C9ADC(XMP) | 4GB | DS | N/A | N/A | 9-11-9-28 | 1.65V | ● | ● | |
| KINGMAX | FLKE85F-B8KJAA-FEIS(XMP) | 2GB | DS | N/A | N/A | 9-9-9-24-33 | 1.5V | ● | ● | |

| DDR3 2133 Qualified Vendors List (QVL) | | | | | | | | | | |
|--|-----------------------------|-----------------|-------|------------|----------|----------------|---------|--------------------------------|--------|--------|
| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket support (Optional) | | |
| | | | | | | | | 1 DIMM | 2 DIMM | 4 DIMM |
| CORSAIR | CMZ8GX3M2A2133C11(Ver4.21) | 4GB | SS | N/A | N/A | 11-11-11-27 | 1.50V | ● | ● | ● |
| CORSAIR | CMY8GX3M2A2133C11R | 8GB(4 x 2GB) | SS | N/A | N/A | 11-11-11-27 | 1.50V | ● | ● | ● |
| KINGSTON | KHX21C11T2K2/8X | 8GB (2x 4GB) | SS | N/A | N/A | 11-11-11-28-30 | 1.6V | ● | ● | ● |
| ADATA | AX3U2133W4G10-DR | 8GB (2x 4GB) | SS | N/A | N/A | 10-11-11-30 | 1.65V | ● | ● | ● |
| AMD | AG316G2130U1S | 4GB | SS | N/A | N/A | 10-11-11-30 | 1.65V | ● | ● | ● |
| AMD | AG34G2130UI | 4GB | SS | N/A | N/A | 10-11-11-30 | 1.65V | ● | ● | ● |
| AVEXIR | AVD3U21330908G-4BZ1 | 4GB | SS | N/A | N/A | | 1.65V | ● | ● | ● |
| AVEXIR | AVD3U21331104G-4CI | 4GB | SS | N/A | N/A | | 1.5V | ● | ● | ● |
| CORSAIR | CMT16GX3M4X2133C9(XMP 1.3) | 16GB (4GB x4) | DS | N/A | N/A | 9-11-10-27 | 1.50V | ● | ● | |
| CORSAIR | CMT4GX3M2A2133C9(XMP) | 4GB(2x 2GB) | DS | N/A | N/A | 9-10-9-24 | 1.65V | ● | ● | |
| CORSAIR | CMT4GX3M2B2133C9(XMP) | 4GB(2x 2GB) | DS | N/A | N/A | 9-10-9-27 | 1.50V | ● | ● | |
| CORSAIR | CMD8GX3M2B2133C9(Ver5.12) | 4GB | DS | N/A | N/A | 9-11-11-31 | 1.65V | ● | ● | |
| CORSAIR | CMT8GX3M2B2133C9(XMP) | 8GB (4GB x 2) | DS | N/A | N/A | 9-11-9-27 | 1.50V | ● | ● | |
| CORSAIR | CMD16GX3M2A2133C9(Ver4.21) | 8GB | DS | N/A | N/A | 9-11-11-31 | 1.65V | ● | ● | |
| CORSAIR | CMD32GX3M4A2133C9(Ver4.21) | 8GB | DS | N/A | N/A | 9-11-11-31 | 1.65V | ● | ● | |
| G.SKILL | F3-17000CL9Q-16GBZH(XMP1.3) | 16GB (4GB x4) | DS | N/A | N/A | 9-11-10-28 | 1.65V | ● | ● | |
| G.SKILL | F3-2133C11Q-32GZL(XMP) | 8GB | DS | N/A | N/A | 11-11-11-31 | 1.5V | ● | ● | |
| G.SKILL | F3-2133C10D-16GAB | 8GB | DS | N/A | N/A | 10-12-12-31 | 1.6V | ● | ● | |
| GEIL | GE34GB2133C9DC(XMP) | 2GB | DS | N/A | N/A | 9-9-9-28 | 1.65V | ● | ● | |
| KINGSTON | KHX2133C11D3K4/16GX(XMP) | 16GB (4GB x4) | DS | N/A | N/A | 9-9-9-24-33 | 1.65V | ● | ● | |

DDR3 2133 Qualified Vendors List (QVL)

| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket support (Optional) | | |
|-----------------|----------------------------|-----------------|-------|------------|----------|-------------|---------|--------------------------------|--------|--------|
| | | | | | | | | 1 DIMM | 2 DIMM | 4 DIMM |
| KINGSTON | KHX2133C11D3T1K2/16GX(XMP) | 16GB(8GB x 2) | DS | N/A | N/A | 9-9-9-24-33 | 1.6V | ● | ● | |
| KINGSTON | KHX21C11T1BK2/16X(XMP) | 16GB(8GBx2) | DS | N/A | N/A | 9-9-9-24-33 | 1.6V | ● | ● | |
| KINGSTON | KHX2133C9AD3T1K2/4GX(XMP) | 4GB (2x 2GB) | DS | N/A | N/A | 9-9-9-24-33 | 1.65V | ● | ● | |
| KINGSTON | KHX2133C9AD3X2K2/4GX(XMP) | 4GB(2 x 2GB) | DS | N/A | N/A | 9-11-9-27 | 1.65V | ● | ● | |
| KINGSTON | KHX2133C9AD3T1K4/8GX(XMP) | 8GB(4 x 2GB) | DS | N/A | N/A | 9-11-9-27 | 1.65V | ● | ● | |
| KINGSTON | KHX21C11T1BK2/8X(XMP) | 8GB(4GBx2) | DS | N/A | N/A | 9-9-9-24-33 | 1.6V | ● | ● | |
| KINGSTON | KHX2133C9AD3T1FK4/8GX(XMP) | 8GB(4x 2GB) | DS | N/A | N/A | 9-9-9-24-33 | 1.65V | ● | ● | |
| KINGSTON | KHX21C11T3K4/32X | 8GB | DS | N/A | N/A | 9-9-9-24-33 | 1.65V | ● | ● | |
| ADATA | AX3U2133W8G10-DR | 16GB (2x 8GB) | DS | N/A | N/A | 10-11-11-30 | 1.65V | ● | ● | |
| AMD | AP38G2133U2K | 4GB | DS | N/A | N/A | 11-12-11-30 | 1.65V | ● | ● | |
| AVEXIR | AVD3U21330908G-4BZ1 | 8GB | DS | N/A | N/A | | 1.65V | ● | ● | |
| AVEXIR | AVD3U21331108G-4CI | 8GB | DS | N/A | N/A | | 1.5V | ● | ● | |
| PATRIOT | PGD38G2133C11K(XMP) | 16GB (4GB x4) | DS | N/A | N/A | 11-11-11-30 | 1.65V | ● | ● | |

DDR3 2000 Qualified Vendors List (QVL)

| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket support (Optional) | | |
|-----------------|---------------------------|----------------|-------|------------|-------------------|-------------|---------|--------------------------------|--------|--------|
| | | | | | | | | 1 DIMM | 2 DIMM | 4 DIMM |
| CORSAIR | CMZ4GX3M2A2000C10(XMP) | 4GB(2 x 2GB) | SS | N/A | N/A | 10-10-10-27 | 1.50V | ● | ● | ● |
| AVEXIR | AVD3U20000904G-4CI | 4GB | SS | N/A | Heat-Sink Package | 9-9-9-28-39 | 1.65V | ● | ● | ● |
| CORSAIR | CMT6GX3M3A2000C8(XMP) | 6GB(3 x 2GB) | DS | N/A | N/A | 8-9-8-24 | 1.65V | ● | ● | |
| G.SKILL | F3-16000CL9D-4GBFLS(XMP) | 4GB(2 x 2GB) | DS | N/A | N/A | 9-9-9-24 | 1.65V | ● | ● | |
| G.SKILL | F3-16000CL6T-6GBPIS(XMP) | 6GB (3x 2GB) | DS | N/A | N/A | 6-9-6-24 | 1.65V | ● | ● | |
| GEIL | GUP34GB2000C9DC(XMP) | 4GB(2 x 2GB) | DS | N/A | N/A | 9-9-9-28 | 1.65V | ● | ● | |
| KINGSTON | KHX2000C9AD3T1K2/4GX(XMP) | 4GB (2x 2GB) | DS | N/A | N/A | 9-9-9-24-33 | 1.65V | ● | ● | |
| KINGSTON | KHX2000C9AD3W1K3/6GX(XMP) | 6GB (3x 2GB) | DS | N/A | N/A | 9-9-9-24-33 | 1.65V | ● | ● | |
| KINGSTON | KHX2000C9AD3T1K3/6GX(XMP) | 6GB (3x 2GB) | DS | N/A | N/A | 9-9-9-24-33 | 1.65V | ● | ● | |

DDR3 2000 Qualified Vendors List (QVL)

| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket support (Optional) | | |
|---------|----------------------|------|-------|------------|----------------------|-------------|----------------|--------------------------------|--------|--------|
| | | | | | | | | 1 DIMM | 2 DIMM | 4 DIMM |
| Asint | SLA302G08-ML2HB(XMP) | 4GB | DS | HYNIX | H5TQ2G83 BFR H9C | 9-9-9-24-33 | 1.5V- 1.65V | ● | ● | |
| AVEXIR | AVD3U20000908G-4CI | 8GB | DS | N/A | Heat-Sink Package | 9-9-9-28-39 | 1.65V | ● | ● | |

DDR3 1866 Qualified Vendors List (QVL)

| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket support (Optional) | | |
|---------|--------------------------------|-----------------|-------|------------|----------------------|--------------------|---------|--------------------------------|--------|--------|
| | | | | | | | | 1 DIMM | 2 DIMM | 4 DIMM |
| CORSAIR | CMY8GX3M2A1866C9 | 4GB | SS | N/A | N/A | 9-10-9-27 | 1.50V | ● | ● | ● |
| AMD | AP38G1869U1K(XMP) | 4GB | SS | N/A | N/A | 9-10-9-27 | 1.5V | ● | ● | |
| PANRAM | PUD31866C94G2PSB | 4GB | SS | N/A | Heat-Sink Package | 9-10-9-27 | 1.65V | ● | ● | ● |
| AVEXIR | AVD3U0904G-4CI | 4GB | SS | N/A | N/A | 11-11-11-28- 30 | 1.65V | ● | ● | ● |
| CORSAIR | CMT6GX3MA1866C9(XMP) | 6GB(3 x 2GB) | DS | N/A | N/A | 9-9-9-24 | 1.65V | ● | ● | |
| CORSAIR | CMZ8GX3M2A1866C9(XMP) | 8GB(2 x 4GB) | DS | N/A | N/A | 9-10-9-27 | 1.50V | ● | ● | |
| CORSAIR | CMD32GX3M4A1866C9(Ver3.24) | 8GB | DS | N/A | N/A | 9-10-9-27 | 1.50V | ● | ● | |
| CORSAIR | CMY16GX3M2A1866C9(Ver3.24) | 8GB | DS | N/A | N/A | 9-10-9-27 | 1.50V | ● | ● | |
| CORSAIR | CMY32GX3M4A1866C9 | 8GB | DS | N/A | N/A | 9-10-9-27 | 1.50V | ● | ● | |
| CORSAIR | CMZ16GX3M2A1866C10(Ver4.21) | 8GB | DS | N/A | N/A | 10-11-10-30 | 1.50V | ● | ● | |
| CRUCIAL | BLE4G3D1869DE1TX0.16FMD(XMP) | 4GB | DS | N/A | N/A | 9-9-9-27 | 1.5V | ● | ● | |
| CRUCIAL | BLT4G3D1869DT1TX0.13FKD(XMP) | 4GB | DS | N/A | N/A | 9-9-9-27 | 1.5V | ● | ● | |
| CRUCIAL | BLT4G3D1869DT1TX0B.16FMD(XMP) | 4GB | DS | N/A | N/A | 9-9-9-27 | 1.5V | ● | ● | |
| CRUCIAL | BLS8G3D18ADS3.16FED | 8GB | DS | N/A | N/A | 10-10-10-30 | 1.5V | ● | ● | |
| CRUCIAL | BLE4G3D1869DE1TX0.16FKR | 4GB | DS | N/A | N/A | 9-9-9-27 | 1.5V | ● | ● | |
| CRUCIAL | BLE8G3D1869DE1TX0.16FED | 8GB | DS | N/A | N/A | 9-9-9-27 | 1.5V | ● | ● | |
| CRUCIAL | BLT8G3D1869DT1TX0.16FED | 8GB | DS | N/A | N/A | 9-9-9-27 | 1.5V | ● | ● | |
| G.SKILL | F3-14900CL9Q-16GBZL(XMP1.3) | 16GB (4GB x4) | DS | N/A | N/A | 9-10-9-28 | 1.5V | ● | ● | |
| G.SKILL | F3-14900CL10Q2-64GBZLD(XMP1.3) | 64GB (8GBx 8) | DS | N/A | N/A | 10-11-10-30 | 1.5V | ● | ● | |

| DDR3 1866 Qualified Vendors List (QVL) | | | | | | | | | | |
|--|-------------------------|-----------------|-------|------------|-------------------|----------------|---------|--------------------------------|--------|--------|
| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket support (Optional) | | |
| | | | | | | | | 1 DIMM | 2 DIMM | 4 DIMM |
| G.SKILL | F3-14900CL9D-8GBXL(XMP) | 8GB(2 x 4GB) | DS | N/A | N/A | 9-10-9-28 | 1.5V | ● | ● | |
| G.SKILL | F3-14900CL9Q-8GBXL(XMP) | 8GB(2GBx4) | DS | N/A | N/A | 9-9-9-24 | 1.6V | ● | ● | |
| KINGSTON | KHX1866C9D3K4/16GX(XMP) | 16GB (4GB x4) | DS | N/A | N/A | 9-9-9-24-33 | 1.65V | ● | ● | |
| KINGSTON | KHX18C9T2K2/8X | 8GB (2x 4GB) | DS | N/A | N/A | 9-9-9-24-33 | 1.65 | ● | ● | |
| KINGSTON | KHX1866C11D3P1K2/8G | 8GB (4GB x 2) | DS | N/A | N/A | - | 1.5V | ● | ● | |
| KINGSTON | KHX1866C9D3K2/8GX(XMP) | 8GB(4GBX2) | DS | N/A | N/A | 9-9-9-24-33 | 1.65V | ● | ● | |
| KINGSTON | KHX18C10T3K4/32X | 8GB | DS | N/A | N/A | 11-11-11-28-39 | 1.5V | ● | ● | |
| AMD | AP38G1869U2K | 8GB(4GBX2) | DS | HYNIX | H5TQ2GB3CFR | 9-10-9-27 | 1.5V | ● | ● | |
| AMD | AP38G1869U2K | 8GB(4GBX2) | DS | N/A | N/A | 9-10-9-27 | 1.5V | ● | ● | |
| PATRIOT | PV138G186C9KPD000326 | 4GB | DS | N/A | N/A | 9-9-9-24-39 | 1.5V | ● | ● | |
| TEAM | TED38GM1866C13BK | 8GB | DS | HYNIX | H5TQ4G83AFY | 13-13-13-31 | 1.5V | ● | ● | |
| AVEXIR | AVD3U0908G-4CI | 8GB | DS | N/A | N/A | 11-11-11-28-39 | 1.5V | ● | ● | |
| MUSHKIN | PC3-14900 | 8GB | DS | N/A | Heat-Sink Package | 11-11-11-28-39 | 1.5V | ● | ● | |

| DDR3 1600 Qualified Vendors List (QVL) | | | | | | | | | | |
|--|-------------------------|--------------|-------|------------|----------------------|----------------|---------|--------------------------------|--------|--------|
| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket support (Optional) | | |
| | | | | | | | | 1 DIMM | 2 DIMM | 4 DIMM |
| APACER | 78.B1GET.9K00C | 4GB | SS | APACER | AM5D6008BQQSCK | 11-11-11-28-39 | 1.50V | ● | ● | ● |
| APACER | AU04GFA60CATBGC | 4GB | SS | APACER | AM5D60080QJMCK1336F | 11-11-11-28-39 | 1.50V | ● | ● | ● |
| CORSAIR | CMV4GX3M1A1600C11 | 4GB | SS | CORSAIR | 512M8DDL GPSBO381320 | 9-9-9-30-39 | 1.50V | ● | ● | ● |
| CORSAIR | CMY8GX3M2A1600C9 | 4GB | SS | N/A | N/A | 9-9-9-24 | 1.50V | ● | ● | ● |
| G.SKILL | F3-12800CL7D-4GBRH(XMP) | 4GB(2 x 2GB) | SS | N/A | N/A | 7-7-7-24 | 1.6V | ● | ● | ● |

DDR3 1600 Qualified Vendors List (QVL)

| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket support (Optional) | | |
|------------------|----------------------------|----------------|-------|-----------------|----------------------|--------------------|---------|--------------------------------|--------|--------|
| | | | | | | | | 1 DIMM | 2 DIMM | 4 DIMM |
| G.SKILL | F3-1600C11S-4GNT | 4GB | SS | SEC 343 XYKO | K4B4GO84 6D | 11-11-11-28 | 1.5V | ● | ● | ● |
| KINGMAX | FLGE85F-B6HYB | 2GB | SS | HYNIX | H5TQ2G63 FFR | 9-9-9-24-33 | 1.5V | ● | ● | |
| KINGSTON | KHX1600C9D3P1K2/4G | 4GB(2 x 2GB) | SS | N/A | N/A | - | 1.5V | ● | ● | |
| KINGSTON | KHX1600C9D3K2/8GX (XMP) | 4GB | SS | N/A | N/A | 11-11-28-39 | 1.65V | ● | ● | ● |
| KINGSTON | KVR16N11S8/4(narrow type) | 4GB | SS | KINGSTON | U317X8BR RA19 | 11-11-11-28- 39 | 1.50V | ● | ● | ● |
| KINGSTON | KVR16N11S/4 | 4GB | SS | KINGSTON | D5128EC4 BPGGBU | | 1.5V | ● | ● | ● |
| KINGSTON | KVR16N11/4 | 4GB | SS | KINGSTON | D5128EC4 BPGGBU | | 1.35V | ● | ● | ● |
| MICRON | MT8JTF51264AZ-1G6E1 | 4GB | SS | MICRON | D9QBJ | 11-11-11-28- 39 | 1.50V | ● | ● | ● |
| PSC | AL9F8L93B-GN2E | 4GB | SS | PSC | XHP284C3 G-M | 11-11-11-28- 39 | 1.50V | ● | ● | ● |
| Transcend | TS512MLK64W6H | 4GB | SS | SEC 234 HYKO | K4B4GO84 68 | 11-11-11-28- 39 | 1.35V | ● | ● | ● |
| Transcend | TS512MLK64W6H | 4GB | SS | SEC 343 XYKO | K4B4GO84 6D | 11-11-11-28- 39 | 1.35V | ● | ● | ● |
| ADATA | ADDU1600W4G11-B | 4GB | SS | ADATA | DWND- 1211A | 11-11-11-28- 39 | 1.35V | ● | ● | ● |
| ADATA | N/A | 4GB | SS | ADATA | 3WCD- 12IIA | - | - | ● | ● | |
| ADATA | AX3U1600W4G9-DB(XMP) | 8GB (2x 4GB) | SS | N/A | N/A | 9-9-9-24 | 1.5V | ● | ● | ● |
| AMD | AE32G1609U1-U | 2GB | SS | N/A | 23EY4587 MB6H1150 | 9-9-9-24 | 1.5V | ● | ● | ● |
| AMD | AE38G1609U1K | 4GB | SS | N/A | N/A | 9-9-9-28 | 1.5V | ● | ● | ● |
| ASint | SLZ302G08-EGN1C | 2GB | SS | Asint | SLZ302G0 8-GN1C | 11-11-11-28- 39 | 1.5V | ● | ● | ● |
| Asint | SLA304G08-ENG1B | 4GB | SS | Asint | 304G08- GN1B1301 | 11-11-11-28- 39 | 1.5V | ● | ● | ● |
| ASint | SLA304G08-EGN6B | 4GB | SS | ASINT | 304G08- GN6B | 11-11-11-28- 39 | 1.5V | ● | ● | ● |

| DDR3 1600 Qualified Vendors List (QVL) | | | | | | | | | | |
|--|--------------------------|--------------|-------|-----------------|------------------------------|----------------|---------|--------------------------------|--------|--------|
| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket support (Optional) | | |
| | | | | | | | | 1 DIMM | 2 DIMM | 4 DIMM |
| AVEXIR | AVD3U16000904G-4CI | 4GB | SS | N/A | Heat-Sink Package | | 1.5V | ● | ● | ● |
| MIRAGES | KMD3U1600V4G(PC3-12/00U) | 4GB | SS | N/A | SEC246BC KOK4B4G O846C | 11-11-11-28-39 | 1.5V | ● | ● | ● |
| SANMAX | SMD-4G28N1P-16KM | 4GB | SS | ELPIDA | J4208BBB G-GN-F | 11-11-28-39 | 1.50V | ● | ● | ● |
| Silicon Power | SP002GBLTU160V02(XMP) | 2GB | SS | S-POWER | 20YT5NG-1201 | 11-11-11-28-39 | 1.5V | ● | ● | ● |
| V-COLOR | TD4G8C11-H11 | 4GB | SS | HYNIX | H5TQ4G83 MFR | 11-11-11-28-39 | 1.5V | ● | ● | ● |
| VENTURA | D3-55DK1145V-11 | 2GB | SS | SEC 404 BCKO | K4B2GO84 6Q | 11-11-44-28-39 | 1.5V | ● | ● | |
| Apacer | 78.B1GE3.9L10C | 4GB | DS | Apacer KZZC | AM5D5908 DEQSCK | 11-11-11-28-39 | 1.50V | ● | ● | |
| APACER | 78.BAQEJ.9LK0C (XMP) | 4GB | DS | N/A | N/A | 9-9-9-27 | - | ● | ● | |
| APACER | 78.C1GET.9K10C | 8GB | DS | APACER | AM5D6008 BQQSCK | 11-11-11-28-39 | 1.50V | ● | ● | |
| CORSAIR | CMD12GX3M6A1600C8(XMP) | 12GB(6x2GB) | DS | N/A | N/A | 8-8-8-24 | 1.65V | ● | ● | |
| CORSAIR | CMZ32GX3M4X1600C10(XMP) | 32GB(8GBx4) | DS | N/A | N/A | 10-10-10-27 | 1.50V | ● | ● | |
| CORSAIR | CMP4GX3M2A1600C8(XMP) | 4GB(2 x 2GB) | DS | N/A | N/A | 8-8-8-24 | 1.65V | ● | ● | |
| CORSAIR | CMP4GX3M2A1600C9(XMP) | 4GB(2 x 2GB) | DS | N/A | N/A | 9-9-9-24 | 1.65V | ● | ● | |
| CORSAIR | CMP4GX3M2C1600C7(XMP) | 4GB(2 x 2GB) | DS | N/A | N/A | 7-8-7-20 | 1.65V | ● | ● | |
| CORSAIR | CML8GX3M2A1600C9 | 4GB | DS | N/A | N/A | 9-9-9-24 | 1.50V | ● | ● | |
| CORSAIR | CMZ4GX3M1A1600C9 | 4GB | DS | N/A | N/A | 9-9-9-24 | 1.50V | ● | ● | |
| CORSAIR | CMZ8GX3M2A1600C9 | 4GB | DS | N/A | N/A | 9-9-9-24 | 1.50V | ● | ● | |
| CORSAIR | TR3X6G1600C8D G(XMP) | 6GB(3 x 2GB) | DS | N/A | N/A | 8-8-8-24 | 1.65V | ● | ● | |
| CORSAIR | TR3X6G1600C9 G(XMP) | 6GB(3 x 2GB) | DS | N/A | N/A | 9-9-9-24 | 1.65V | ● | ● | |
| CORSAIR | CMP8GX3M2A1600C9(XMP) | 8GB(2 x 4GB) | DS | N/A | N/A | 9-9-9-24 | 1.65V | ● | ● | |
| CORSAIR | CMZ8GX3M2A1600C7R(XMP) | 8GB(2 x 4GB) | DS | N/A | N/A | 7-8-7-20 | 1.50V | ● | ● | |

| DDR3 1600 Qualified Vendors List (QVL) | | | | | | | | | | |
|--|----------------------------|-----------------|-------|------------|-----------------------------|--------------------|--------------|--------------------------------|--------|--------|
| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket support (Optional) | | |
| | | | | | | | | 1 DIMM | 2 DIMM | 4 DIMM |
| CORSAIR | CML16GX3M2A1600C10 | 8GB | DS | N/A | N/A | 10-10-10-27 | 1.50V | ● | ● | |
| CORSAIR | CMV8GX3M1A1600C11 | 8GB | DS | CORSAIR | 512M8DDL GPSBO381 311 | 11-11-11-30- 39 | 1.5V | ● | ● | |
| CORSAIR | CMY16GX3M2A1600C9 | 8GB | DS | N/A | N/A | 9-9-9-24 | 1.50V | ● | ● | |
| CORSAIR | CMY32GX3M4A1600C9 | 8GB | DS | N/A | N/A | 9-9-9-24 | 1.50V | ● | ● | |
| CORSAIR | CMZ8GX3M1A1600C10(XMP) | 8GB | DS | N/A | N/A | 10-10-10-27 | 1.50V | ● | ● | |
| CRUCIAL | CT102464BA160B.C16FED | 8GB | DS | CRUCIAL | CT512X8- 160B | 10-10-10-27 | 1.50V | ● | ● | |
| G.SKILL | F3-12800CL7D-4GBRM(XMP) | 4GB(2 x 2GB) | DS | N/A | N/A | 7-8-7-24 | 1.6V | ● | ● | |
| G.SKILL | F3-12800CL9D-4GBRL(XMP) | 4GB(2 x 2GB) | DS | N/A | N/A | 9-9-9-24 | 1.5V | ● | ● | |
| G.SKILL | F3-12800CL7D-8GBRH(XMP) | 8GB(2 x 4GB) | DS | N/A | N/A | 7-8-7-24 | 1.6V | ● | ● | |
| G.SKILL | F3-12800CL8D-8GBECO(XMP) | 8GB(2 x 4GB) | DS | N/A | N/A | 8-8-8-24 | XMP 1.35V | ● | ● | |
| G.SKILL | F3-12800CL9D-8GBRL(XMP) | 8GB(2 x 4GB) | DS | N/A | N/A | 9-9-9-24 | 1.5V | ● | ● | |
| G.SKILL | F3-12800CL10S-8GBXL(XMP) | 8GB | DS | N/A | N/A | 10-10-10-30 | 1.50V | ● | ● | |
| GEIL | GET316GB1600C9QC(XMP) | 16GB (4x 4GB) | DS | N/A | N/A | 9-9-9-28 | 1.6V | ● | ● | |
| GEIL | GB34GB1600C11DC (XMP) | 4GB | DS | GEIL | GL1L256M 88BA15GL | 11-11-28-39 | 1.5V | ● | ● | |
| GEIL | GVP38GB1600C9SC (XMP) | 4GB | DS | N/A | N/A | 11-11-11-28 | 1.5V | ● | ● | |
| HYNIX | HMT351U6CFR8C-PB | 4GB | DS | HYNIX | H5TQ2G83 CFR PBC | 11-11-11-28- 39 | 1.50V | ● | ● | |
| KINGMAX | FLGE85F-B8KJ9A FEIS(XMP) | 2GB | DS | N/A | N/A | 9-9-9-24-33 | 1.5V | ● | ● | |
| KINGSTON | KHX1600C9D3K3/12GX(XMP) | 12GB(3x4GB) | DS | N/A | N/A | 9-9-9-27 | 1.65V | ● | ● | |
| KINGSTON | KHX1600C9D3T1BK3/12GX(XMP) | 12GB(3x4GB) | DS | N/A | N/A | 9-9-9-27 | 1.65V | ● | ● | |
| KINGSTON | KHX1600C9D3K4/16GX(XMP) | 16GB (4GB x4) | DS | N/A | N/A | 9-9-9-24-33 | 1.65V | ● | ● | |
| KINGSTON | KHX1600C10D3B1K2/16G | 16GB(8GBx2) | DS | N/A | N/A | 9-9-9-24-33 | 1.5V | ● | ● | |
| KINGSTON | KHX16C9K2/16 | 16GB(8GBx2) | DS | N/A | N/A | 9-9-9-24-33 | 1.5V | ● | ● | |
| KINGSTON | KHX1600C9AD3/2G | 2GB | DS | N/A | N/A | 9-9-9-24-33 | 1.65V | ● | ● | |

DDR3 1600 Qualified Vendors List (QVL)

| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket support (Optional) | | |
|------------------|---------------------------|----------------|-------|-----------------|----------------------|--------------------|----------------|--------------------------------|--------|--------|
| | | | | | | | | 1 DIMM | 2 DIMM | 4 DIMM |
| KINGSTON | KVR1600D3N11/2G-ES | 2GB | DS | KTC | D1288JPN DPLD9U | 11-11-11-28 | 1.35V- 1.5V | ● | ● | |
| KINGSTON | KHX1600C7D3K2/4GX(XMP) | 4GB (2x 2GB) | DS | N/A | N/A | 9-9-9-24-33 | 1.65V | ● | ● | |
| KINGSTON | KHX1600C9D3X2K2/4GX(XMP) | 4GB(2 x 2GB) | DS | N/A | N/A | 9-9-9-27 | 1.65V | ● | ● | |
| KINGSTON | KHX1600C9D3/4G | 4GB | DS | N/A | N/A | 9-9-9-24-33 | 1.65V | ● | ● | |
| KINGSTON | KVR16N11/4(narrow type) | 4GB | DS | KINGSTON | D2568GER OPGGBU | 11-11-28-39 | 1.5V | ● | ● | |
| KINGSTON | KHX1600C9D3T1K3/6GX(XMP) | 6GB (3x 2GB) | DS | N/A | N/A | - | 1.65V | ● | ● | |
| KINGSTON | KHX1600C9D3T1BK3/6GX(XMP) | 6GB(3 x 2GB) | DS | N/A | N/A | 9-9-9-27 | 1.65V | ● | ● | |
| KINGSTON | KHX1600C9D3P1K2/8G | 8GB(2 x 4GB) | DS | N/A | N/A | 9-9-9-27-39 | 1.5V | ● | ● | |
| KINGSTON | KHX1600C9D3K2/8GX | 8GB | DS | N/A | N/A | 11-11-11-28- 39 | 1.65V | ● | ● | |
| KINGSTON | KHX16C10B1K2/16X(XMP) | 8GB | DS | N/A | N/A | 9-9-9-24-33 | 1.5V | ● | ● | |
| KINGSTON | KHX16C9P1K2/16(XMP) | 8GB | DS | N/A | N/A | 9-9-9-27-39 | 1.5V | ● | ● | |
| KINGSTON | KVR16N11/8-SP | 8GB | DS | KINGSTON | BJM730C3 G-M | | 1.5V | ● | ● | |
| MICRON | MT16JTF1G64AZ-1G6E1 | 8GB | DS | MICRON | D9QBJ | 11-11-11-28- 39 | 1.50V | ● | ● | |
| MUSHKIN | PC3-12800 | 4GB | DS | N/A | Heat-Sink Package | 9-9-9-24 | 1.50V | ● | ● | |
| MUSHKIN | PC3-12800 | 4GB | DS | N/A | Heat-Sink Package | 9-9-9-24 | 1.50V | ● | ● | |
| MIRA | PLAF8L93B-GN2 | 8GB | DS | N/A | BJE159C3 G-M | 9-9-9-24 | 1.50V | ● | ● | |
| PSC | ALAF8L93B-GN2E | 8GB | DS | PSC | XHR425C3 G-M | 11-11-11-28- 39 | 1.50V | ● | ● | |
| Transcend | TS1GLK64W6H | 8GB | DS | SEC 234 HYKO | K4B4GO84 68 | 11-11-11-28- 39 | 1.35V | ● | ● | |
| Transcend | TS1GLK64W6H | 8GB | DS | SEC 343 XYKO | K4B4GO84 6D | 11-11-28-39 | 1.35V | ● | ● | |
| TEAM | TLD38G1600HC9BK | 8GB | DS | - | - | 9-9-9-24 | 1.5V | ● | ● | |
| TEAM | TED34GM1600C11BK | 4GB | DS | HYNIX | H5TQ2G83 CFY | 11-11-11-28 | 1.5V | ● | ● | |

DDR3 1600 Qualified Vendors List (QVL)

| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket support (Optional) | | |
|----------------|------------------------|-----------------|-------|-----------------|----------------------|--------------------|-----------------|--------------------------------|--------|--------|
| | | | | | | | | 1 DIMM | 2 DIMM | 4 DIMM |
| ADATA | AX3U1600W8G9-DB | 16GB (2x 8GB) | DS | N/A | N/A | 9-9-9-24 | 1.5V | ● | ● | |
| ADATA | ADDU1600W8G11-B | 8GB | DS | ELPIDA | J4208EBB G-GN-F | 11-11-11-28- 39 | 1.35V | ● | ● | |
| AMD | AE34G1609U2-U | 4GB | DS | AMD | 23EY4587 MB6H1150 | 9-9-9-24 | 1.5V | ● | ● | |
| Asint | SLZ3128M8-EGJ1D(XMP) | 2GB | DS | Asint | 3128M8- GJ1D | 9-9-9-24 | 1.6V | ● | ● | |
| Asint | SLA302G08-EGG1C(XMP) | 4GB | DS | Asint | 302G08- GG1C | - | 1.5V-1.6V | ● | ● | |
| Asint | SLA302G08-EGJ1C(XMP) | 4GB | DS | Asint | 302G08- GJ1C | - | 1.5V-1.6V | ● | ● | |
| ASint | SLA302G08-EGN1C | 4GB | DS | Asint | SLA302G0 8-GN1C | 11-11-11-28- 39 | 1.5V | ● | ● | |
| Asint | SLB304G08-EGJ1B | 8GB | DS | N/A | N/A | 11-11-11-28- 39 | 1.5V-1.6V | ● | ● | |
| ASint | SLB304G08-EGN1B | 8GB | DS | Asint | SLB304G0 8-GN1B | 11-11-11-28- 39 | 1.5V | ● | ● | |
| ASint | SLB304G08-EGN1B | 8GB | DS | Asint | SLB304G0 8-GN1B | 11-11-11-28- 39 | 1.5V | ● | ● | |
| AVEXIR | AVD3U16001008G-4CI | 8GB | DS | N/A | Heat-Sink Package | | 1.5V | ● | ● | |
| Elixir | M2P2G64CB8HC9N-DG(XMP) | 2GB | DS | N/A | N/A | 10-10-10-28- 38 | 1.65V/1.6 5V | ● | ● | |
| Elixir | M2P2G64CB8HC9N-DG | 2GB | DS | N/A | N/A | 10-10-10-28- 38 | 1.5V-1.6V | ● | ● | |
| Elixir | M2X8G64CB8HB5N-DG(XMP) | 8GB | DS | Elixir 1213 | N2CB4G8B OBN-DG | 11-11-11-28- 39 | 1.5V- 1.65V | ● | ● | |
| PATRIOT | PGD316G1600ELK(XMP) | 32GB(8GBx4) | DS | N/A | N/A | 9-9-9-24 | 1.65V | ● | ● | |
| PATRIOT | PV332G160C9QK | 8GB | DS | N/A | N/A | 9-9-9-24-39 | 1.5V | ● | ● | |
| SANMAX | SMD-4G68HP-16KZ | 4GB | DS | HYNIX | H5TQ2G83 BFR PBC | 11-11-11-28- 39 | 1.5V | ● | ● | |
| SANMAX | SMD-8G28NP-16KM | 8GB | DS | ELPIDA | J4208BBB G-GN-F | 11-11-11-28- 39 | 1.50V | ● | ● | |
| SAMSUNG | M379B5273DHO-YKO 1325 | 4GB | DS | SEC 312 BJKO | K4B2GO84 6C | 11-11-28-39 | 1.35V | ● | ● | |

| DDR3 1600 Qualified Vendors List (QVL) | | | | | | | | | | |
|--|-----------------------|------|-------|------------|--------------|----------------|---------|--------------------------------|--------|--------|
| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket support (Optional) | | |
| | | | | | | | | 1 DIMM | 2 DIMM | 4 DIMM |
| Silicon Power | SP004GBLTU160V02(XMP) | 4GB | DS | S-POWER | 20YT5NG-1201 | 11-11-11-28-39 | 1.50V | ● | ● | |

| DDR3 1333 Qualified Vendors List (QVL) | | | | | | | | | | |
|--|----------------------------------|-------------|-------|------------|----------------------|-------------|---------|--------------------------------|--------|--------|
| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket support (Optional) | | |
| | | | | | | | | 1 DIMM | 2 DIMM | 4 DIMM |
| A-DATA | AD3U1333C2G9 | 2GB | SS | A-DATA | 3CCD-1509HNA1126L | 9-9-9-24-33 | 1.5V | ● | ● | |
| A-DATA | AX3U1333C2G9-BP | 2GB | SS | N/A | N/A | 9-9-9-24-33 | 1.5V | ● | ● | |
| CORSAIR | CMV4GX3M1A1333C9 | 4GB | SS | CORSAIR | 512M8DCJ GELBO3O1319 | 9-9-9-24-33 | 1.50V | ● | ● | ● |
| CORSAIR | TR3X6G1333C9 G | 6GB(3x 2GB) | SS | N/A | N/A | 9-9-9-24 | 1.50V | ● | ● | |
| Hynix | HMT325U6BFR8C-H9 | 2GB | SS | Hynix | H5TQ2G83BFRH9C | 9-9-9-24-33 | 1.5V | ● | ● | |
| KINGMAX | FLFE85F-C8KF9 CAES | 2GB | SS | KINGMAX | KFC8FMFXF-DXX- | 9-9-9-24-33 | 1.5V | ● | ● | ● |
| KINGMAX | FLFE85F-C8KL9 NAES | 2GB | SS | KINGMAX | KFC8FNLXF-DXX-15A | 9-9-9-24-33 | 1.5V | ● | ● | |
| KINGMAX | FLFE85F-C8KM9 NAES | 2GB | SS | KINGMAX | KFC8FNMXF-BXX- | 9-9-9-24-33 | 1.5V | ● | ● | ● |
| KINGSTON | KVR1333D3N9/2G(narrow type) | 2GB | SS | Hynix | H5TQ2G83AFRH9C | 9 | 1.5V | ● | ● | ● |
| KINGSTON | KVR1333D3S8N9/2G | 2GB | SS | Micron | IID77D9LGK | 9-9-9-24-33 | 1.5V | ● | ● | ● |
| KINGSTON | KVR1333D3S8N9/2G-SP(narrow type) | 2GB | SS | ELPIDA | J2108BCSE-DJ-F | 9-9-9-24-33 | 1.5V | ● | ● | ● |
| Micron | MT8JTF25664AZ-1G4D1 | 2GB | SS | Micron | OJD12D9L GK | 9-9-9-24-33 | 1.5V | ● | ● | ● |
| Micron | MT8JTF25664AZ-1G4M1 | 2GB | SS | MICRON | IJM22D9PFJ | 9-9-9-24-33 | 1.5V | ● | ● | ● |

DDR3 1333 Qualified Vendors List (QVL)

| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket support (Optional) | | |
|------------------|-----------------------|------|-------|-----------------|----------------------|-------------|---------|--------------------------------|--------|--------|
| | | | | | | | | 1 DIMM | 2 DIMM | 4 DIMM |
| SAMSUNG | M378B5773DH0-CH9 | 2GB | SS | SAMSUNG | K4B2G084 6D | 9-9-9-24-33 | 1.5V | ● | ● | ● |
| Transcend | JM1333KLN-2G | 2GB | SS | HYNIX | H5TQ2G83 BZRH9C | 9-9-9-24-33 | 1.5V | ● | ● | ● |
| AMD | AE32G1339U1-U | 2GB | SS | AMD | 23EY4587 MB3H1150 | 9-9-9-24 | 1.5V | ● | ● | ● |
| ASint | SLZ302G08-EDJ1C | 2GB | SS | Asint | SLZ302G0 8-DJ1C | 9-9-9-24-33 | 1.5V | ● | ● | |
| Asint | SLA304G08-EDJ1B | 4GB | SS | Asint | 304G08- DJ1B1301 | 9-9-9-24-33 | 1.5V | ● | ● | ● |
| ASint | SLA304G08-EDJ6A | 4GB | SS | ASINT | 304G08- DJ6A | 9-9-9-24-33 | 1.5V | ● | ● | ● |
| ASint | SLA304G08-EDJ6B | 4GB | SS | ASINT | 304G08- DJ6B | 9-9-9-24-33 | 1.5V | ● | ● | ● |
| AVANT | AVF6456U64F9333AK2 | 2GB | SS | ELPIDA | J2108BCS E-DJ-F | | 1.5V | ● | ● | |
| AVANT | AVF6456U64F9333AK2 | 2GB | SS | Nanya | NT5CB256 M 8FN-EK | | 1.5V | ● | ● | ● |
| Elixir | M2F2G64CB88B7N-CG | 2GB | SS | Elixir | N2CB2G80 BN-CG | 9-9-9-24-33 | 1.5V | ● | ● | ● |
| Elixir | M2F2G64CB88D7N-CG | 2GB | SS | Elixir | N2CB2G80 DN-CG | 9-9-9-24-33 | 1.5V | ● | ● | ● |
| Elixir | M2F2G64CB88G7N-CG | 2GB | SS | Elixir | N2CB2G80 GN-CG | 9-9-9-24-33 | 1.5V | ● | ● | ● |
| HMD | HMDD302GU648S1B9C-MEX | 2GB | SS | ERTH | 256X8DDR 3 WT | 9-9-9-24-33 | 1.5V | ● | ● | |
| HMD | HMDD304GU648S1B9C-MEX | 4GB | SS | UUJK | 512X8DDR 3 WT | 9-9-9-24-33 | 1.5V | ● | ● | ● |
| KINGSTEK | KSTD3PC-10600 | 2GB | SS | MICRON | PE9TT- 125E | 9-9-9-24-33 | 1.5V | ● | ● | ● |
| MUSHKIN | PC3-10666 | 4GB | SS | N/A | Heat-Sink Package | 9-9-9-24 | 1.50V | ● | ● | ● |
| MUSHKIN | PC3-10600 | 2GB | SS | SEC 410 HC15 | K4W2GO8 46P | | 1.50V | ● | ● | ● |

| DDR3 1333 Qualified Vendors List (QVL) | | | | | | | | | | |
|--|----------------------------|--------------|-------|------------|-----------------------------|-------------|--------------|--------------------------------|--------|--------|
| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket support (Optional) | | |
| | | | | | | | | 1 DIMM | 2 DIMM | 4 DIMM |
| Silicon Power | SP002GBLTU133V02 | 2GB | SS | S-POWER | 20YT3NG-1202 | 9-9-9-24-33 | 1.5V | ● | ● | ● |
| KINGSTON | KHX1333C7D3K2/4GX(XMP) | 4GB(2 x 2GB) | SS | N/A | N/A | 7 | 1.65V | ● | ● | ● |
| KINGSTON | KVR1333D3N9/4G | 4GB | SS | KTC | D2568JEN CNGD9U | 9-9-9-24-33 | 1.5V | ● | ● | |
| Apacer | 78.A1GC6.9L1 | 2GB | DS | Apacer | AM5D5808 FEQSBG | 9 | 1.5V | ● | | |
| Apacer | AU02GFA33C9NBGC | 2GB | DS | Apacer | AM5D5808 APQSBG | 9-9-9-24-33 | 1.5V | ● | | |
| Apacer | 78.B1GDE.9L10C | 4GB | DS | Apacer | AM5D5908 CEHSBG | 9-9-9-24-33 | 1.5V | ● | ● | |
| CORSAIR | CMD24GX3M6A1333C9(XMP) | 24GB(6x4GB) | DS | N/A | N/A | 9-9-9-24 | 1.60V | ● | | |
| CORSAIR | TW3X4G1333C9D G | 4GB(2 x 2GB) | DS | N/A | N/A | 9-9-9-24 | 1.50V | ● | | |
| CORSAIR | CM3X4GA1333C9N2 | 4GB | DS | CORSAIR | 256MBDCJ GELC0401 136 | 9-9-9-24 | 1.5V | ● | | |
| CORSAIR | CMX4GX3M1A1333C9 | 4GB | DS | N/A | N/A | 9-9-9-24 | 1.50V | ● | | |
| CORSAIR | CMD8GX3M4A1333C7 | 8GB(4 x 2GB) | DS | N/A | N/A | 7-7-7-20 | 1.60V | ● | | |
| CORSAIR | CMV8GX3M1A1333C9 | 8GB | DS | CORSAIR | 512M8DCJ GELAO401 213 | 9-9-9-24-33 | 1.50V | ● | | |
| CORSAIR | CMX16GX3M2A1333C9(Ver7.21) | 8GB | DS | N/A | N/A | 9-9-9-24 | 1.50V | ● | | |
| G.SKILL | F3-10666CL8D-4GBECO(XMP) | 4GB(2 x 2GB) | DS | N/A | N/A | 8-8-8-8-24 | XMP 1.35V | ● | | |
| G.SKILL | F3-10666CL7D-8GBRH(XMP) | 8GB(2 x 4GB) | DS | N/A | N/A | 7-7-7-21 | 1.5V | ● | | |
| GEIL | GVP34GB1333C7DC | 4GB(2 x 2GB) | DS | N/A | N/A | 7-7-7-24 | 1.5V | ● | | |
| Hynix | HMT351U6BFR8C-H9 | 4GB | DS | Hynix | H5TQ2G83 BFRH9C | 9-9-9-24-33 | 1.5V | ● | ● | |
| KINGMAX | FLFF65F-C8KL9 NEES | 4GB | DS | KINGMAX | KFC8FNLX F-DXX-15A | 9-9-9-24-33 | 1.5V | ● | ● | |
| KINGMAX | FLFF65F-C8KM9 NEES | 4GB | DS | KINGMAX | KFC8FNM XF-BXX- | 9-9-9-24-33 | 1.5V | ● | ● | |

| DDR3 1333 Qualified Vendors List (QVL) | | | | | | | | | | |
|--|--------------------------------|-------------|-------|------------|-------------------|-------------|---------|--------------------------------|--------|--------|
| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket support (Optional) | | |
| | | | | | | | | 1 DIMM | 2 DIMM | 4 DIMM |
| A-DATA | AD3U1333C2G9 | 2GB | SS | A-DATA | 3CCD-1509HNA1126L | 9-9-9-24-33 | 1.5V | ● | ● | |
| KINGSTON | KVR1333D3N9/2G(narrow type) | 2GB | DS | ELPIDA | J1108BFBG-DJ-F | 9 | 1.5V | ● | ● | |
| KINGSTON | KVR1333D3N9/2G-SP(narrow type) | 2GB | DS | KTC | D1288JEMFNGD9U | 9-9-9-24-33 | 1.5V | ● | ● | |
| KINGSTON | KVR1333D3N9/2G-SP(narrow type) | 2GB | DS | KINGSTON | D1288JPSFPGD9U | 9-9-9-24-33 | 1.5V | ● | ● | |
| KINGSTON | KVR1333D3N9/4G(narrow type) | 4GB | DS | ELPIDA | J2108BCSE-DJ-F | 9-9-9-24-33 | 1.5V | ● | ● | |
| KINGSTON | KVR1333D3N9/4G-SP(narrow type) | 4GB | DS | KINGSTON | D2568JENCPGD9U | 9-9-9-24-33 | 1.5V | ● | ● | |
| Micron | MT16JTF51264AZ-1G4D1 | 4GB | DS | Micron | OLD22D9L GK | 9-9-9-24-33 | 1.5V | ● | ● | |
| NANYA | NT4GC64B8HG0NF-CG | 4GB | DS | NANYA | NT5CB256M8GN-CG | 9-9-9-24-33 | 1.5V | ● | ● | |
| PSC | AL8F8G73F-DJ2 | 2GB | DS | PSC | A3P1GF3FGF | 9-9-9-24-33 | 1.5V | ● | ● | |
| SAMSUNG | M378B1G73AH0-CH9 | 8GB | DS | SAMSUNG | K4B4G0846A-HCH9 | 9-9-9-24-33 | 1.5V | ● | ● | |
| Super Talent | W1333UB2GS | 2GB | DS | SAMSUNG | K4B1G0846F | 9 | 1.5V | ● | ● | |
| Super Talent | W1333UB4GS | 4GB | DS | SAMSUNG | K4B2G0846C | 9-9-9-24-33 | 1.5V | ● | ● | |
| Super Talent | W1333UX6GM | 6GB(3x 2GB) | DS | Micron | 0BF27D9KPT | 9-9-9-24 | 1.5V | ● | ● | |
| AMD | AE34G1339U2-U | 4GB | DS | AMD | 23EY4587MB3H1150 | 9-9-9-24 | 1.5V | ● | ● | |
| ASint | SLA302G08-EDJ1C | 4GB | DS | Asint | SLA302G08-DJ1C | 9-9-9-24-33 | 1.5V | ● | ● | |
| ASint | SLB304G08-EDJ1B | 8GB | DS | Asint | SLB304G08-DJ1B | 9-9-9-24-33 | 1.5V | ● | ● | |
| Elixir | M2F4G64CB8HB5N-CG | 4GB | DS | Elixir | N2CB2G80BN-CG | 9-9-9-24-33 | 1.5V | ● | ● | |

| DDR3 1333 Qualified Vendors List (QVL) | | | | | | | | | | |
|--|--------------------------------|------|-------|-----------------|---------------------|-------------|---------|--------------------------------|--------|--------|
| Vendors | Part No. | Size | SS/DS | Chip Brand | Chip NO. | Timing | Voltage | DIMM socket support (Optional) | | |
| | | | | | | | | 1 DIMM | 2 DIMM | 4 DIMM |
| Elixir | M2F4G64CB8HD5N-CG | 4GB | DS | Elixir | N2CB2G80 DN-CG | 9-9-9-24-33 | 1.5V | ● | ● | |
| HMD | HMDD308GU648D1B9C-MEX | 8GB | DS | FFCT | 512X8DDR 3 WT | 9-9-9-24-33 | 1.5V | ● | ● | |
| KINGSHARE | KSRPCD313332G | 2GB | DS | PATRIOT | PM128M8 D385-15 | 9-9-9-24-33 | 1.5V | ● | ● | |
| MARKVISION | BMD32048M1333C9-1123 | 2GB | DS | MARKVISI ON | M3D1288P -13 | 9-9-9-24-33 | 1.50V | ● | ● | |
| MARKVISION | BMD34096M1333C9-1124 | 4GB | DS | MARKVISI ON | M3D2568E -13 | 9-9-9-24-33 | 1.50V | ● | ● | |
| PATRIOT | PG38G1333EL(XMP) | 8GB | DS | N/A | N/A | 9-9-9-24 | 1.5V | ● | ● | |
| RAMAXEL | RMR1870ED48E8F-1333 | 2GB | DS | ELPIDA | J1108BDB G-DJ-F | 9-9-9-24-33 | 1.5V | ● | ● | |
| RAMAXEL | RMR1870EC58E9F-1333 | 4GB | DS | ELPIDA | J2108BCS E-DJ-F | 9-9-9-24-33 | 1.50V | ● | ● | |
| RiDATA | C304627CB1AG22Fe | 2GB | DS | RiDATA | N/A | 9 | 1.5V | ● | ● | |
| RiDATA | E304459CB1AG32Cf | 4GB | DS | RiDATA | N/A | 9 | 1.5V | ● | ● | |
| Silicon Power | SP004GBLTU133V02 | 4GB | DS | S-POWER | 20YT3NG- 1201 | 9-9-9-24-33 | 1.5V | ● | | |
| SMART | SH5126UD325893HE | 4GB | DS | SEC 343 BYKO | K4B2GO84 60 | 9-9-9-24-33 | 1.5V | ● | ● | |
| SMART | SH5126UD325893SQ | 4GB | DS | SEC 343 BYKO | K4B2GO84 60 | 9-9-9-24-33 | 1.5V | ● | ● | |
| WINTEC | 3WVS31333-2G-CNR | 2GB | DS | AMPO | AM342080 3-13H | 9-9-9-24-33 | 1.5V | ● | ● | |
| KINGSTON | KVR13N9S8/4-SP (narrow type) | 4GB | DS | NANYA | NT5CC512 MDDN-CG | 9-9-9-24-33 | 1.5V | ● | ● | |
| KINGSTON | KVR13N9S8/4 (narrow type) | 4GB | DS | KINGSTON | D5128GC2 8PGG8U | 9-9-9-24-33 | 1.5V | ● | ● | |