

**DDR3 1067 Qualified Vendors List (QVL)**

| Vendors         | Part No.           | Size        | SS/DS        | Chip Brand        | Chip NO.        | Timing               | Voltage     | socket support (Op |          |
|-----------------|--------------------|-------------|--------------|-------------------|-----------------|----------------------|-------------|--------------------|----------|
|                 |                    |             |              |                   |                 |                      |             | 1 DIMM             | 2 DIMM   |
| <b>KINGSTON</b> | KVR1066D3N7/1G(矮版) | 1GB         | SS           | ELPIDA            | J1108BFSE-DJ-F  | 7                    | 1.5V        | ●                  | ●        |
| <b>Vendor</b>   | <b>PartNum.</b>    | <b>Size</b> | <b>SS/DS</b> | <b>Chip Brand</b> | <b>ChipNum.</b> | <b>Timing - Dimm</b> | <b>Vol.</b> | <b>0</b>           | <b>0</b> |

**DDR3 1333 Qualified Vendors List (QVL)**

| Vendors          | Part No.                 | Size         | SS/DS        | Chip Brand        | Chip NO.           | Timing               | Voltage        | socket support (Op |          |
|------------------|--------------------------|--------------|--------------|-------------------|--------------------|----------------------|----------------|--------------------|----------|
|                  |                          |              |              |                   |                    |                      |                | 1 DIMM             | 2 DIMM   |
| <b>A-Data</b>    | AD6311B0823EV            | 2GB          | SS           | A-Data            | 3CCA-1509A         | -                    | -              | ●                  | ●        |
| <b>A-DATA</b>    | AM2U139C2P1              | 2GB          | SS           | ADATA             | 3CCD-1509A EL1127T | -                    | -              | ●                  | ●        |
| <b>A-Data</b>    | AXDU1333GC2G9-2G(XMP)    | 4GB(2 x 2GB) | SS           | -                 | -                  | 9-9-9-24             | 1.25V-1.35V(lo | ●                  | ●        |
| <b>A-Data</b>    | AD6311C1624EV            | 4GB          | DS           | A-Data            | 3CCA-1509A         | -                    | -              | ●                  | ●        |
| <b>A-DATA</b>    | AM2U139C4P2              | 4GB          | DS           | ADATA             | 3CCD-1509A EL1127T | -                    | -              | ●                  | ●        |
| <b>A-DATA</b>    | SU3U1333W8G9-B           | 8GB          | DS           | ELPIDA            | J4208BASE-DJ-F     | -                    | -              | ●                  | ●        |
| <b>Apacer</b>    | 78.B1GDE.9L10C           | 4GB          | DS           | Apacer            | AM5D5908CEHSBG     | -                    | -              | ●                  | ●        |
| <b>CORSAIR</b>   | TR3X6G1333C9 G           | 6GB(3x 2GB)  | SS           | -                 | -                  | 9-9-9-24             | 1.50V          | ●                  | ●        |
| <b>CORSAIR</b>   | CMD24GX3M6A1333C9(XMP)   | 24GB(6x4GB)  | DS           | -                 | -                  | 9-9-9-24             | 1.60V          | ●                  | ●        |
| <b>CORSAIR</b>   | CMD8GX3M4A1333C7         | 8GB(4 x 2GB) | DS           | -                 | -                  | 7-7-7-20             | 1.60V          | ●                  | ●        |
| <b>G.SKILL</b>   | F3-10600CL9D-2GBN9       | 2GB(2 x 1GB) | SS           | -                 | -                  | 9-9-9-24             | 1.5V           | ●                  | ●        |
| <b>G.SKILL</b>   | F3-10666CL8D-4GBECO(XMP) | 4GB(2 x 2GB) | DS           | -                 | -                  | 8-8-8-8-24           | XMP 1.35V      | ●                  | ●        |
| <b>GEIL</b>      | GVP34GB1333C7DC          | 4GB(2 x 2GB) | DS           | -                 | -                  | 7-7-7-24             | 1.5V           | ●                  | ●        |
| <b>KINGMAX</b>   | FLFE85F-C8KL9 NAES       | 2GB          | SS           | KINGMAX           | KFC8FNLXF-DXX-15A  | -                    | -              | ●                  | ●        |
| <b>KINGMAX</b>   | FLFF65F-C8KL9 NEES       | 4GB          | DS           | KINGMAX           | KFC8FNLXF-DXX-15A  | -                    | -              | ●                  | ●        |
| <b>KINGSTON</b>  | KVR1333D3N9/1G(矮版)       | 1GB          | SS           | ELPIDA            | J1108BDBG-DJ-F     | 9                    | 1.5V           | ●                  | ●        |
| <b>KINGSTON</b>  | KVR1333D3S8N9/2G         | 2GB          | SS           | Micron            | IID77 D9LGK        | -                    | 1.5V           | ●                  | ●        |
| <b>KINGSTON</b>  | KVR1333D3S8N9/2G-SP(矮版)  | 2GB          | SS           | ELPIDA            | J2108BCSE-DJ-F     | -                    | 1.5V           | ●                  | ●        |
| <b>KINGSTON</b>  | KVR1333D3N9/2G(矮版)       | 2GB          | DS           | ELPIDA            | J1108BFBG-DJ-F     | 9                    | 1.5V           | ●                  | ●        |
| <b>KINGSTON</b>  | KVR1333D3N9/2G-SP(矮版)    | 2GB          | DS           | KTC               | D1288JEMFNGD9U     | -                    | 1.5V           | ●                  | ●        |
| <b>KINGSTON</b>  | KVR1333D3N9/4G(矮版)       | 4GB          | DS           | ELPIDA            | J2108BCSE-DJ-F     | 9                    | 1.5V           | ●                  | ●        |
| <b>KINGSTON</b>  | KVR1333D3N9/4G(矮版)       | 4GB          | DS           | ELPIDA            | J2108BCSE-DJ-F     | -                    | 1.5V           | ●                  | ●        |
| <b>KINGSTON</b>  | KVR1333D3N9/4G           | 4GB          | DS           | KTC               | D2568JENCNGD9U     | -                    | 1.5V           | ●                  | ●        |
| <b>KINGSTON</b>  | KVR1333D3N9/4G-SP(矮版)    | 4GB          | DS           | KINGSTON          | D2568JENC PGD9U    | -                    | 1.5V           | ●                  | ●        |
| <b>Micron</b>    | MT8JTF25664AZ-1G4M1      | 2GB          | SS           | MICRON            | IJM22 D9PFJ        | -                    | -              | ●                  | ●        |
| <b>NANYA</b>     | NT4GC64B8HG0NF-CG        | 4GB          | DS           | NANYA             | NT5CB256M8GN-CG    | -                    | -              | ●                  | ●        |
| <b>SAMSUNG</b>   | M378B5773DH0-CH9         | 2GB          | SS           | SAMSUNG           | K4B2G0846D         | -                    | -              | ●                  | ●        |
| <b>SAMSUNG</b>   | M378B1G73AH0-CH9         | 8GB          | DS           | SAMSUNG           | K4B4G0846A-HCH9    | -                    | -              | ●                  | ●        |
| <b>Transcend</b> | JM1333KLN-2G             | 2GB          | SS           | Micron            | 0YD77D9LGK         | -                    | -              | ●                  | ●        |
| <b>Transcend</b> | JM1333KLN-2G             | 2GB          | SS           | Hynix             | H5TQ2G83BZRH9C     | -                    | -              | ●                  | ●        |
| <b>Transcend</b> | JM1333KLU-2G             | 2GB          | DS           | Transcend         | TK243PDF3          | -                    | -              | ●                  | ●        |
| <b>Elixir</b>    | M2F2G64CB88D7N-CG        | 2GB          | SS           | Elixir            | N2CB2G80DN-CG      | -                    | -              | ●                  | ●        |
| <b>Elixir</b>    | M2F2G64CB88G7N-CG        | 2GB          | SS           | Elixir            | N2CB2G80GN-CG      | -                    | -              | ●                  | ●        |
| <b>Elixir</b>    | M2F4G64CB8HD5N-CG        | 4GB          | DS           | Elixir            | N2CB2G80DN-CG      | -                    | -              | ●                  | ●        |
| <b>RiDATA</b>    | C304627CB1AG22Fe         | 2GB          | DS           | RiDATA            | N/A                | 9                    | -              | ●                  | ●        |
| <b>RiDATA</b>    | E304459CB1AG32Cf         | 4GB          | DS           | RiDATA            | N/A                | 9                    | -              | ●                  | ●        |
| <b>Vendor</b>    | <b>PartNum.</b>          | <b>Size</b>  | <b>SS/DS</b> | <b>Chip Brand</b> | <b>ChipNum.</b>    | <b>Timing - Dimm</b> | <b>Vol.</b>    | <b>0</b>           | <b>0</b> |

**DDR3 1600 Qualified Vendors List (QVL)**

| Vendors         | Part No.                  | Size         | SS/DS | Chip Brand | Chip NO. | Timing   | Voltage     | socket support (Op |        |
|-----------------|---------------------------|--------------|-------|------------|----------|----------|-------------|--------------------|--------|
|                 |                           |              |       |            |          |          |             | 1 DIMM             | 2 DIMM |
| <b>A-Data</b>   | AX3U1600XC4G79-2X(XMP)    | 8GB(2 x 4GB) | DS    | -          | -        | 7-9-7-21 | 1.55V-1.75V | ●                  | ●      |
| <b>CORSAIR</b>  | CMD12GX3M6A1600C8(XMP)    | 12GB(6x2GB)  | DS    | -          | -        | 8-8-8-24 | 1.65V       | ●                  | ●      |
| <b>CORSAIR</b>  | CMP4GX3M2C1600C7(XMP)     | 4GB(2 x 2GB) | DS    | -          | -        | 7-8-7-20 | 1.65V       | ●                  | ●      |
| <b>CORSAIR</b>  | TR3X6G1600C9 G(XMP)       | 6GB(3 x 2GB) | DS    | -          | -        | 9-9-9-24 | 1.65V       | ●                  | ●      |
| <b>CORSAIR</b>  | CMP8GX3M2A1600C9(XMP)     | 8GB(2 x 4GB) | DS    | -          | -        | 9-9-9-24 | 1.65V       | ●                  | ●      |
| <b>KINGSTON</b> | KHX1600C9D3P1K2/4G        | 4GB(2 x 2GB) | SS    | -          | -        | -        | 1.5V        | ●                  | ●      |
| <b>KINGSTON</b> | KHX1600C9D3T1BK3/6GX(XMP) | 6GB(3 x 2GB) | DS    | -          | -        | 9-9-9-27 | 1.65V       | ●                  | ●      |

| <b>KINGSTON</b>                               | KHX1600C9D3P1K2/8G      | 8GB(2 x 4GB) | DS    | -          | -        | -             | 1.5V    | •                  | •      |
|-----------------------------------------------|-------------------------|--------------|-------|------------|----------|---------------|---------|--------------------|--------|
| <b>Elixir</b>                                 | M2P2G64CB8HC9N-DG(XMP)  | 2GB          | DS    | -          | -        | -             | -       | •                  | •      |
| <b>Vendor</b>                                 | PartNum.                | Size         | SS/DS | Chip Brand | ChipNum. | Timing - Dimm | Vol.    | 0                  | 0      |
| <b>DDR3 1866 Qualified Vendors List (QVL)</b> |                         |              |       |            |          |               |         |                    |        |
| Vendors                                       | Part No.                | Size         | SS/DS | Chip Brand | Chip NO. | Timing        | Voltage | socket support (Op |        |
|                                               |                         |              |       |            |          |               |         | 1 DIMM             | 2 DIMM |
| <b>G.SKILL</b>                                | F3-14900CL9D-8GBXL(XMP) | 8GB(2 x 4GB) | DS    | -          | -        | 9-10-9-28     | 1.5V    | •                  | •      |
| <b>Vendor</b>                                 | PartNum.                | Size         | SS/DS | Chip Brand | ChipNum. | Timing - Dimm | Vol.    | 0                  | 0      |

4 DIMM Slots

- **1 DIMM:** Supports one module inserted in any slot as Single-channel memory configuration
- **2 DIMM:** Supports 2 modules inserted into both the [blue](#) or [black](#) 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.