

P5P41TD

PM COPY

## DDR3 1333 Qualified Vendors List (QVL)

|         | Part No.            | Size            | SS/DS | Chip Brand | Chip NO.              | Timing   | Voltage            | DIMM socket support (Option) |        |        |
|---------|---------------------|-----------------|-------|------------|-----------------------|----------|--------------------|------------------------------|--------|--------|
|         |                     |                 |       |            |                       |          |                    | 1 DIMM                       | 2 DIMM | 4 DIMM |
| A-Data  | AD31333001GOU       | 1024MB          | SS    | A-Data     | AD30908C8D-151C E0906 | -        | -                  | <                            | <      | <      |
| A-Data  | AD31333G001GOU      | 3072MB(Kit of   | SS    | -          | -                     | 8-8-8-24 | 1.65-1.85V         | <                            | <      | <      |
| A-Data  | AD31333002GOU       | 2048MB          | DS    | A-Data     | AD30908C8D-151C E0903 | -        | -                  | <                            | <      |        |
| A-Data  | AD31333G002GMU      | 2048MB          | DS    | -          | -                     | 8-8-8-24 | 1.65-1.85V         | <                            | <      |        |
| Apacer  | 78.A1GC6.9L1        | 2048MB          | DS    | APACER     | AM5D5808DEWSBG        | -        | -                  | <                            | <      |        |
| CORSAIR | CM3X1024-1333C9DHX  | 1024MB          | SS    | -          | -                     | 9-9-9-24 | 1.60V              | <                            | <      | <      |
| CORSAIR | CM3X1024-1333C9     | 1024MB          | SS    | -          | -                     | -        | -                  | <                            | <      | <      |
| CORSAIR | TR3X3G1333C9 G      | 3072MB(Kit of   | SS    | -          | -                     | 9-9-9-24 | 1.50V              | <                            | <      | <      |
| CORSAIR | TR3X3G1333C9 G      | 3072MB(Kit of   | SS    | -          | -                     | 9-9-9-24 | 1.50V              | <                            | <      | <      |
| CORSAIR | TR3X3G1333C9        | 3072MB(Kit of   | SS    | -          | -                     | 9        | 1.5V               | <                            | <      | <      |
| CORSAIR | CM3X1024-1333C9DHX  | 1024MB          | DS    | Corsair    | -                     | -        | -                  | <                            | <      |        |
| CORSAIR | CM3X2048-1333C9DHX  | 2048MB          | DS    | -          | -                     | -        | -                  | <                            | <      |        |
| CORSAIR | TW3X4G1333C9 G      | 4096MB(Kit of   | DS    | -          | -                     | 9-9-9-24 | 1.50V              | <                            | <      |        |
| Crucial | CT12864BA1339.8FF   | 1024MB          | SS    | Micron     | 9FF22D9KPT            | 9        | -                  | <                            | <      | <      |
| Crucial | BL12864TA1336.8SFB1 | 2048MB(Kit of   | SS    | -          | -                     | 6-6-6-20 | 1.8V               | <                            | <      | <      |
| Crucial | CT25664BA1339.16FF  | 2048MB          | DS    | Micron     | 9KF27D9KPT            | 9        | -                  | <                            | <      |        |
| Crucial | BL25664ABA1336.16SF | 4096MB(Kit of   | DS    | -          | -                     | 6-6-6-20 | 1.8V               | <                            | <      |        |
| Crucial | BL25664BA1336.16SFB | 4096MB(Kit of   | DS    | -          | -                     | 6-6-6-20 | 1.8V               | <                            | <      |        |
| Crucial | BL25664BN1337.16FF  | 6144MB(Kit of 3 | DS    | -          | -                     | 7-7-7-24 | 1.65V              | <                            | <      |        |
| ELPIDA  | EBJ10UE8EDF0-DJ-F   | 1024MB          | SS    | ELPIDA     | J1108EDSE-DJ-F        | -        | 1.35V(low voltage) | <                            | <      | <      |
| ELPIDA  | EBJ21UE8EDF0-DJ-F   | 2048MB          | DS    | ELPIDA     | J1108EDSE-DJ-F        | -        | 1.35V(low voltage) | <                            | <      |        |
| G.SKILL | F3-10600CL7D-       | 1024MB          | SS    | G.SKILL    | -                     | -        | -                  | <                            | <      |        |

|          |                          |                   |    |         |                    |            |                    |   |   |   |
|----------|--------------------------|-------------------|----|---------|--------------------|------------|--------------------|---|---|---|
| G.SKILL  | F3-10600CL8D-2GBHK       | 1024MB            | SS | G.SKILL | -                  | -          | -                  | ⟨ | ⟨ | ⟨ |
| G.SKILL  | F3-10600CL9D-2GBPK       | 1024MB            | SS | G.SKILL | -                  | -          | -                  | ⟨ | ⟨ | ⟨ |
| G.SKILL  | F3-10666CL7T-3GBPK       | 3072MB(Kit of     | SS | -       | -                  | 7-7-7-18   | 1.5~1.6V           | ⟨ | ⟨ | ⟨ |
| G.SKILL  | F3-10666CL9T-3GBNQ       | 3072MB(Kit of     | SS | -       | -                  | 9-9-9-24   | 1.5~1.6V           | ⟨ | ⟨ | ⟨ |
| G.SKILL  | F3-10600CL9D-2GBNQ       | 1024MB            | DS | G.SKILL | -                  | -          | -                  | ⟨ | ⟨ | ⟨ |
| G.SKILL  | F3-10666CL8D-4GBECO(XMP) | 4096MB(Kit of 2 ) | DS | -       | -                  | 8-8-8-8-24 | 1.35V(low voltage) | ⟨ | ⟨ | ⟨ |
| G.SKILL  | F3-10666CL8D-            | 4096MB(Kit of 2   | DS | -       | -                  | 8-8-8-21   | 1.5~1.6V           | ⟨ | ⟨ | ⟨ |
| G.SKILL  | F3-10666CL7T-            | 6144MB(Kit of 3   | DS | -       | -                  | 7-7-7-18   | 1.5~1.6V           | ⟨ | ⟨ | ⟨ |
| G.SKILL  | F3-10666CL9T-6GBNQ       | 6144MB(Kit of     | DS | -       | -                  | 9-9-9-24   | 1.5V~1.6V          | ⟨ | ⟨ | ⟨ |
| GEIL     | DDR3-1333 CL9-9-9-24     | 1024MB            | SS | -       | -                  | 9          | -                  | ⟨ | ⟨ | ⟨ |
| GEIL     | GV34GB1333C7DC           | 2048MB            | DS | -       | -                  | 7-7-7-24   | 1.5V               | ⟨ | ⟨ | ⟨ |
| GEIL     | GG34GB1333C9DC           | 4096MB(Kit of 2)  | DS | GEIL    | GL1L128M88BA12N    | 9-9-9-24   | 1.3V(low voltage)  | ⟨ | ⟨ | ⟨ |
| GEIL     | DDR3-1333 CL9-9-9-24     | 6144MB(Kit of 3   | DS | -       | -                  | 9          | 1.5V               | ⟨ | ⟨ | ⟨ |
| Kingmax  | FLFD45F-B8MF9            | 1024MB            | SS | Micron  | 8HD22D9JNM         | -          | -                  | ⟨ | ⟨ | ⟨ |
| Kingmax  | FLFD45F-B8MH9            | 1024MB            | SS | Micron  | 9CF22D9KPT         | -          | -                  | ⟨ | ⟨ | ⟨ |
| Kingmax  | FLFE85F-B8MF9            | 2048MB            | DS | Micron  | 8HD22D9JNM         | -          | -                  | ⟨ | ⟨ | ⟨ |
| Kingmax  | FLFE85F-B8MH9 MEES       | 2048MB            | DS | Micron  | 9GF27D9KPT         | -          | -                  | ⟨ | ⟨ | ⟨ |
| Kingston | KVR1333D3N9/1G           | 1024MB            | SS | KTC     | D1288JELDPGD9U     | -          | -                  | ⟨ | ⟨ | ⟨ |
| KINGSTO  | KVR1333D3N9/2G           | 2048MB            | DS | Qimonda | IDSH1G-03A1F1C-13H | -          | 1.5V               | ⟨ | ⟨ | ⟨ |
| Kingston | KVR1333D3N9/4G           | 4096MB            | DS | Hynix   | H5TQ2G83AFR        | -          | -                  | ⟨ | ⟨ | ⟨ |
| Micron   | MT8JTF12864AZ-           | 1024MB            | SS | Micron  | 9FF22D9KPT         | 9          | -                  | ⟨ | ⟨ | ⟨ |
| Micron   | MT18JTF25664AZ-          | 2048MB            | DS | Micron  | 9KF27D9KPT         | 9          | -                  | ⟨ | ⟨ | ⟨ |
| OCZ      | OCZ3P13332GK             | 2048MB(Kit of     | SS | -       | -                  | 7-7-7-20   | 1.8V               | ⟨ | ⟨ | ⟨ |
| OCZ      | OCZ3X1333LV3GK(XM        | 3072MB(Kit of     | SS | -       | -                  | -          | 1.6V               | ⟨ | ⟨ | ⟨ |
| OCZ      | OCZ3G13334GK             | 4096MB(Kit of     | DS | -       | -                  | -          | 1.7V               | ⟨ | ⟨ | ⟨ |
| OCZ      | OCZ3G1333LV4GK           | 4096MB(Kit of     | DS | -       | -                  | 9-9-9-20   | 1.65V              | ⟨ | ⟨ | ⟨ |
| OCZ      | OCZ3P13334GK             | 4096MB(Kit of     | DS | -       | -                  | 7-7-7-20   | 1.8V               | ⟨ | ⟨ | ⟨ |

|                  |                   |                 |    |         |                     |          |       |   |     |
|------------------|-------------------|-----------------|----|---------|---------------------|----------|-------|---|-----|
| <b>OCZ</b>       | OCZ3P1333LV4GK    | 4096MB(Kit of   | DS | -       | -                   | 7-7-7-20 | 1.65V | < | <   |
| <b>OCZ</b>       | OCZ3RPX1333EB4GK  | 4096MB(Kit of   | DS | -       | -                   | 6-5-5-20 | 1.85V | < | <   |
| <b>OCZ</b>       | OCZ3X13334GK(XMP) | 4096MB(Kit of   | DS | -       | -                   | 7-7-7-20 | 1.75V | < | <   |
| <b>OCZ</b>       | OCZ3G1333LV6GK    | 6144MB(Kit of 3 | DS | -       | -                   | 9-9-9-20 | 1.65V | < | <   |
| <b>OCZ</b>       | OCZ3P1333LV6GK    | 6144MB(Kit of 3 | DS | -       | -                   | 7-7-7-20 | 1.65V | < | <   |
| <b>OCZ</b>       | OCZ3X1333LV6GK(XM | 6144MB(Kit of 3 | DS | -       | -                   | 8-8-8-20 | 1.60V | < | <   |
| <b>PSC</b>       | AL7F8G73D-DG1     | 1024MB          | SS | PSC     | A3P1GF3DGF928M9B05  | -        | -     | < | < < |
| <b>PSC</b>       | AL8F8G73D-DG1     | 2048MB          | DS | PSC     | A3P1GF3DGF928M9B05  | -        | -     | < | <   |
| <b>SAMSUN</b>    | M378B2873DZ1-CH9  | 1024MB          | SS | Samsung | K4B1G0846D-HCH9     | -        | -     | < | <   |
| <b>SAMSUN</b>    | M378B2873DZ1-CH9  | 1024MB          | SS | SAMSUNG | SEC 846 HCH9        | -        | -     | < | < < |
| <b>SAMSUN</b>    | M378B2873EH1-CH9  | 1024MB          | SS | Samsung | SEC 913 HCH9        | -        | -     | < | <   |
| <b>SAMSUN</b>    | M378B5673DZ1-CH9  | 2048MB          | DS | Samsung | K4B1G0846D-HCH9     | -        | -     | < | <   |
| <b>SAMSUN</b>    | M378B5673EH1-CH9  | 2048MB          | DS | Samsung | SEC 913 HCH9        | -        | -     | < | <   |
| <b>Super</b>     | W1333X2GB8(XMP)   | 1024MB          | SS | -       | -                   | -        | -     | < | < < |
| <b>Transcend</b> | TS256MLK64V3U     | 2048MB          | DS | Micron  | 9GF27D9KPT          | -        | -     | < | <   |
| <b>Transcend</b> | TS256MLK64V3U     | 2048MB          | DS | -       | SEC816HCH9K4B1G0846 | -        | -     | < | <   |

#### 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 **blue** slots or the **black** slots as one pair of Dual-channel memory configuration
- **4 DIMM:** Supports 4 modules inserted into both the **blue** and **black** slots as two pairs of Dual-channel memory configuration

Note請按此鉗

-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.



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