

| H81M-K Memory Qualified Vendors List(QVL) |                                |                 |       |            |          |             |         |                                |        |
|-------------------------------------------|--------------------------------|-----------------|-------|------------|----------|-------------|---------|--------------------------------|--------|
| 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 |
| CORSAIR                                   | CMD16GX3M4A2800C12 (XMP)       | 4GB             | DS    | -          | -        | 12-14-14-36 | 1.65V   | ●                              | ●      |
| G.SKILL                                   | F3-2800C12Q-32GGTXDG           | 8GB             | DS    | -          | -        | 12-14-14-35 | 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 |
| G.SKILL                                   | F3-2666C11Q-16GTXD(XMP)        | 16GB(4GBx4)     | DS    | -          | -        | 11-13-13-35 | 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 |
| ADATA                                     | AX3U2600GW8G11                 | 16GB ( 2x 8GB ) | DS    | -          | -        | 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 |
| CORSAIR                                   | CMD32GX3M4A2400C10(Ver5.29)    | 8GB             | DS    | -          | -        | 10-12-12-31 | 1.65V   | ●                              | ●      |
| CORSAIR                                   | CMY16GX3M2A2400C10R(Ver4.21)   | 8GB             | DS    | -          | -        | 10-12-12-31 | 1.65V   | ●                              | ●      |
| KINGSTON                                  | KHX2400C11D3K4/8GX(XMP)        | 8GB(4GBx2)      | SS    | -          | -        | -           | 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 |
| KINGSTON                                  | KHX2250C9D3T1K2/4GX(XMP)       | 4GB ( 2x 2GB )  | DS    | -          | -        | -           | 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 |
| GEIL                                      | GET38GB2200C9ADC(XMP)          | 4GB             | DS    | -          | -        | 9-11-9-28   | 1.65V   | ●                              | ●      |
| KINGMAX                                   | FLKE85F-B8KJAA-FEIS(XMP)       | 2GB             | DS    | -          | -        | -           | 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 |
| CORSAIR                                   | CMY8GX3M2A2133C11R             | 8GB(4 x 2GB)    | SS    | -          | -        | 11-11-11-27 | 1.50V   | ●                              | ●      |
| GEIL                                      | GU34GB2133C9DC(XMP)            | 4GB(2 x 2GB)    | DS    | -          | -        | 9-9-9-28    | 1.65V   | ●                              | ●      |
| ADATA                                     | AX3U2133XW8G10                 | 16GB ( 2x 8GB ) | DS    | -          | -        | 10-11-11-30 | 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 |
| CORSAIR                                   | CMZ4GX3M2A2000C10(XMP)         | 4GB(2 x 2GB)    | SS    | -          | -        | 10-10-10-27 | 1.50V   | ●                              | ●      |
| G.SKILL                                   | F3-16000CL9D-4GBFLS(XMP)       | 4GB(2 x 2GB)    | DS    | -          | -        | 9-9-9-24    | 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 |
| G.SKILL                                   | F3-14900CL10Q2-64GBZLD(XMP1.3) | 64GB ( 8GBx 8 ) | DS    | -          | -        | 10-11-10-30 | 1.5V    | ●                              | ●      |
| ADATA                                     | AX3U1866XW8G10                 | 16GB ( 2x 8GB ) | DS    | -          | -        | 10-11-10-30 | 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 |
| Apacer                                 | 78.B1GE3.9L10C          | 4GB          | DS    | Apacer KZZC  | AM5D5908DEQSCK  | -           | -       | ●                              | ●      |
| CORSAIR                                | CMZ32GX3M4X1600C10(XMP) | 32GB(8GBx4)  | DS    | -            | -               | 10-10-10-27 | 1.50V   | ●                              | ●      |
| G.SKILL                                | F3-12800CL7D-4GBRM(XMP) | 4GB(2 x 2GB) | DS    | -            | -               | 7-8-7-24    | 1.6V    | ●                              | ●      |
| HYNIX                                  | HMT351U6CFR8C-PB        | 4GB          | DS    | HYNIX        | H5TQ2G83CFR PBC | -           | -       | ●                              | ●      |
| KINGSTON                               | KHX1600C9D3/4G          | 4GB          | DS    | -            | -               | -           | 1.65V   | ●                              | ●      |
| MICRON                                 | MT8JTF51264AZ-1G6E1     | 4GB          | SS    | MICRON       | D9QBJ           | -           | -       | ●                              | ●      |
| MICRON                                 | MT16JTF1G64AZ-1G6E1     | 8GB          | DS    | MICRON       | D9QBJ           | -           | -       | ●                              | ●      |
| Transcend                              | 8G DDR3 1600 DIMM CL11  | 8GB          | DS    | SEC 222 HYKO | 6MD9639W        | -           | -       | ●                              | ●      |

| 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 |
| A-DATA                                 | AX3U1333C2G9-BP       | 2GB  | SS    | -          | -                   | -        | -       | ●                              | ●      |
| CORSAIR                                | CMV8GX3M1A1333C9      | 8GB  | DS    | CORSAIR    | 512M8DCJGELAO401213 | -        | -       | ●                              | ●      |
| KINGMAX                                | FLFE85F-C8KF9 CAES    | 2GB  | SS    | KINGMAX    | KFC8FMFXF-DXX-15A   | -        | 1.5V    | ●                              | ●      |
| KINGSTON                               | KVR1333D3N9/4G        | 4GB  | DS    | KTC        | D2568JENCNGD9U      | -        | 1.5V    | ●                              | ●      |
| KINGSTON                               | KVR1333D3N9/4G-SP(矮版) | 4GB  | DS    | KINGSTON   | D2568JENCPGD9U      | -        | 1.5V    | ●                              | ●      |
| SAMSUNG                                | M378B5773DH0-CH9      | 2GB  | SS    | SAMSUNG    | K4B2G0846D          | -        | 1.5V    | ●                              | ●      |
| SAMSUNG                                | M378B5673FH0-CH9      | 2GB  | DS    | SAMSUNG    | K4B1G0846F          | -        | -       | ●                              | ●      |
| Super Talent                           | W1333UB2GS            | 2GB  | DS    | SAMSUNG    | K4B1G0846F          | 9        | 1.5V    | ●                              | ●      |
| Transcend                              | JM1333KLN-2G          | 2GB  | SS    | HYNIX      | H5TQ2G83BZRH9C      | -        | 1.5V    | ●                              | ●      |
| TEAM                                   | TED34GM1333C9BK       | 4GB  | DS    | HYNIX      | DWLDL9J5HL          | 9-9-9-24 | 1.5V    | ●                              | ●      |

2 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 yellow 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.