

**Qualified Vendors List (QVL), Model Name: GA-H110M-DS2 DDR3**

| DDR3 1866MHz    |         |                           |                         |       |            |           |         |                       |   |
|-----------------|---------|---------------------------|-------------------------|-------|------------|-----------|---------|-----------------------|---|
| Module Supplier | Density | # of Ranks x DRAM devices | Module P/N.             | SS/DS | Chip Brand | Chip P/N. | Voltage | Memory socket support |   |
|                 |         |                           |                         |       |            |           |         | 1                     | 2 |
| Kingston        | 8GB     | 2Rx8                      | HX318C10FWK2/16         | DS    |            |           | 1.5v    | v                     | v |
| Kingston        | 8GB     | 2Rx8                      | HX318LC11FBK2/16        | DS    |            |           | 1.35v   | v                     | v |
| V-color         | 8GB     | 1Rx8                      | TD8G8C13-RDD            | SS    |            |           | 1.5v    | v                     | v |
| Team            | 8GB     | 2Rx8                      | TED38GM1866C13BK        | DS    |            |           | 1.5v    | v                     | v |
| DDR3 1600MHz    |         |                           |                         |       |            |           |         |                       |   |
| Module Supplier | Density | # of Ranks x DRAM devices | Module P/N.             | SS/DS | Chip Brand | Chip P/N. | Voltage | Memory socket support |   |
|                 |         |                           |                         |       |            |           |         | 1                     | 2 |
| ADATA           | 8GB     | 2Rx8                      | AX3U1600W8G9-DB         | DS    |            |           | 1.5v    | v                     | v |
| ADATA           | 4GB     | 1Rx8                      | ADDU1600W4G11-B         | SS    |            |           | 1.35v   | v                     | v |
| Apacer          | 4GB     | 2Rx8                      | AHU04GFA60C9Q1D         | DS    |            |           | 1.5v    | v                     | v |
| Apacer          | 4GB     | 1Rx8                      | 78.B1GET.9K00C          | SS    |            |           | 1.5v    | v                     | v |
| Apacer          | 4GB     | 1Rx8                      | 78.B1GFZ.4020C          | SS    |            |           | 1.35v   | v                     | v |
| Apacer          | 8GB     | 2Rx8                      | 78.C1GET.9K10C          | DS    |            |           | 1.5v    | v                     | v |
| Apacer          | 8GB     | 2Rx8                      | 78.C1GFZ.4030C          | DS    |            |           | 1.35v   | v                     | v |
| Apacer          | 4GB     | 2Rx8                      | AHU04GFB33CAQ3B         | DS    |            |           | 1.5v    | v                     | v |
| Apacer          | 8GB     | 2Rx8                      | AHU08GFA60CBT1D         | DS    |            |           | 1.5v    | v                     | v |
| Avexir          | 8GB     | 2Rx8                      | AVD3U16001008G-4CI      | DS    |            |           | 1.5v    | v                     | v |
| Avexir          | 8GB     | 2Rx8                      | AVD3U16001108G-1LW      | DS    |            |           | 1.35v   | v                     | v |
| AMD             | 2GB     |                           | AE32G1609U1-U           | SS    |            |           | 1.5v    | v                     | v |
| AMD             | 4GB     | 2Rx8                      | AE34G1609U2-U           | DS    |            |           | 1.5v    | v                     | v |
| AMD             | 4GB     | 2Rx8                      | AP38G1608U2K            | DS    |            |           | 1.5v    | v                     | v |
| CORSAIR         | 4GB     | 2Rx8                      | CMZ8GX3M2A1600C9        | DS    |            |           | 1.5v    | v                     | v |
| CORSAIR         | 4GB     | 2Rx8                      | CML8GX3M2A1600C9        | DS    |            |           | 1.5v    | v                     | v |
| CORSAIR         | 8GB     | 2Rx8                      | CMZ8GX3M1A1600C10       | DS    |            |           | 1.5v    | v                     | v |
| CORSAIR         | 8GB     | 2Rx8                      | CMZ16GX3M2A1600C9       | DS    |            |           | 1.5v    | v                     | v |
| CORSAIR         | 8GB     | 2Rx8                      | CMY16GX3M2C1600C9       | DS    |            |           | 1.35v   | v                     | v |
| CORSAIR         | 2GB     |                           | CMV2GX3M1C1600C11       | SS    |            |           | 1.35v   | v                     | v |
| CORSAIR         | 4GB     | 2Rx8                      | CMV4GX3M1C1600C11       | DS    |            |           | 1.35v   | v                     | v |
| CORSAIR         | 8GB     | 2Rx8                      | CMV8GX3M1A13600C11      | DS    |            |           | 1.5v    | v                     | v |
| CORSAIR         | 8GB     | 2Rx8                      | CMV8GX3M1C1600C11       | DS    |            |           | 1.35v   | v                     | v |
| Crucial         | 4GB     | 2Rx8                      | CT51272BD160B.18FKD     | DS    |            |           | 1.5v    | v                     | v |
| Crucial         | 4GB     | 1Rx8                      | CT51272BD160BJ.9FED     | SS    |            |           | 1.5v    | v                     | v |
| Crucial         | 8GB     |                           | CT102464BA160B.C16FED   | DS    |            |           | 1.5v    | v                     | v |
| Crucial         | 8GB     | 2Rx8                      | CT102472BD160B.18FED    | DS    |            |           | 1.5v    | v                     | v |
| Crucial         | 8GB     | 2Rx8                      | BLT8G3D1608DT1TX0.16FED | DS    |            |           | 1.5v    | v                     | v |
| Crucial         | 8GB     | 2Rx8                      | BLS8G3D169DS3.16FED     | DS    |            |           | 1.5v    | v                     | v |
| Micron          | 16GB    | 2Rx8                      | MT16KTF2G64AZ-1G6A1     | DS    |            |           | 1.35v   | v                     | v |
| GEIL            | 2GB     |                           | GET38GB1600C9QC         | DS    |            |           | 1.5v    | v                     | v |
| GEIL            | 2GB     |                           | GET34GB1600C7DC         | DS    |            |           | 1.5v    | v                     | v |
| GEIL            | 4GB     | 2Rx8                      | GEP38GB1750C9DC         | DS    |            |           | 1.5v    | v                     | v |
| G.SKILL         | 2GB     |                           | F3-12800CL9D-4GBXL      | DS    |            |           | 1.5v    | v                     | v |
| G.SKILL         | 4GB     | 1Rx8                      | F3-1600C11D-8GISL       | SS    |            |           | 1.35v   | v                     | v |
| G.SKILL         | 8GB     | 2Rx8                      | F3-1600C9D-16GXM        | DS    |            |           | 1.5v    | v                     | v |
| G.SKILL         | 8GB     | 2Rx8                      | F3-12800CL10D-16GBXL    | DS    |            |           | 1.5v    | v                     | v |
| G.SKILL         | 8GB     | 2Rx8                      | F3-1600C11S-8GNT        | DS    |            |           | 1.5v    | v                     | v |
| G.SKILL         | 8GB     | 2Rx8                      | F3-1600C11D-16GISL      | DS    |            |           | 1.35v   | v                     | v |
| Hynix           | 4GB     | 2Rx8                      | HMT351U7CFR8C           | DS    |            |           | 1.5v    | v                     | v |
| Kingston        | 2GB     |                           | KHX1600C9D3K2/4GX       | DS    |            |           | 1.5v    | v                     | v |
| Kingston        | 4GB     | 2Rx8                      | KHX1600C9D3LK2/8GX      | DS    |            |           | 1.35v   | v                     | v |
| Kingston        | 4GB     | 2Rx8                      | KHX1600C9D3K2/8GX       | DS    |            |           | 1.5v    | v                     | v |
| Kingston        | 4GB     | 1Rx8                      | KVR16LN11/4             | SS    |            |           | 1.35v   | v                     | v |
| Kingston        | 8GB     | 2Rx8                      | KVR16N11H/8             | DS    |            |           | 1.5v    | v                     | v |
| Kingston        | 8GB     | 2Rx8                      | HX316C10F/8             | DS    |            |           | 1.5v    | v                     | v |
| Kingston        | 8GB     | 2Rx8                      | KVR16LN11/8             | DS    |            |           | 1.35v   | v                     | v |
| Kingston        | 8GB     | 2Rx8                      | HX316LC10FBK2/16        | DS    |            |           | 1.35v   | v                     | v |
| KingMax         | 2GB     |                           | FLGE85F-B6HYB HPE       | SS    |            |           | 1.5v    | v                     | v |
| KingMax         | 4GB     | 2Rx8                      | FLGF65F-C8KL9A          | DS    |            |           | 1.5v    | v                     | v |
| KingMax         | 4GB     | 1Rx8                      | FLGF65F-C6KUB           | SS    |            |           | 1.5v    | v                     | v |
| KingMax         | 8GB     | 2Rx8                      | FUGG43F-D8MMB MJE       | DS    |            |           | 1.35v   | v                     | v |
| KingMax         | 8GB     | 2Rx8                      | FLGG43F-D8MMB MOEI      | DS    |            |           | 1.35v   | v                     | v |
| KINGTIGER       | 2GB     |                           | KTG2G1600PG3            | SS    |            |           | 1.5v    | v                     | v |

|               |     |      |                       |    |  |  |       |   |   |
|---------------|-----|------|-----------------------|----|--|--|-------|---|---|
| PATRIOT       | 4GB | 2Rx8 | PGQ316G1600ELQK       | DS |  |  | 1.5v  | v | v |
| PATRIOT       | 4GB | 2Rx8 | PV38G160C9KRD         | DS |  |  | 1.5v  | v | v |
| PATRIOT       | 4GB | 2Rx8 | PV316G160C9QKRD       | DS |  |  | 1.5v  | v | v |
| Panram        | 4GB | 1Rx8 | PUD31600C114GVS       | SS |  |  | 1.5v  | v | v |
| MIRA          | 8GB | 2Rx8 | PLAF8L93B-GN2         | DS |  |  | 1.35v | v | v |
| Samsung       | 4GB | 1Rx8 | M379B5273DH0-YK0 1325 | SS |  |  | 1.35v | v | v |
| Samsung       | 8GB | 2Rx8 | M379B5273DH0-YK0 1425 | DS |  |  | 1.35v | v | v |
| SUPER TALENT  | 2GB |      | WP160UX4G9            | DS |  |  | 1.5v  | v | v |
| Silicon POWER | 8GB | 2Rx8 | SP008GXLYU160NSA      | DS |  |  | 1.5v  | v | v |
| Silicon POWER | 4GB | 1Rx8 | SP004GLLTU160N02      | SS |  |  | 1.35v | v | v |
| Silicon POWER | 8GB | 2Rx8 | SP008GLLTE160N01      | DS |  |  | 1.35v | v | v |
| Team          | 4GB | 1Rx8 | TED34G1600C11BK       | SS |  |  | 1.5v  | v | v |
| Team          | 4GB | 1Rx8 | TED3L4G1600C11BK      | SS |  |  | 1.35v | v | v |
| Team          | 8GB | 2Rx8 | TED38GM1600C11BK      | DS |  |  | 1.5v  | v | v |
| Team          | 8GB | 1Rx8 | TED38G1600C11BK       | SS |  |  | 1.5v  | v | v |
| Team          | 8GB | 1Rx8 | TED3L8G1600C11BK      | SS |  |  | 1.35v | v | v |
| Transcend     | 4GB | 1Rx8 | TS512MLK64W6H         | SS |  |  | 1.35v | v | v |
| Transcend     | 8GB | 2Rx8 | TS1GLK64W6H           | DS |  |  | 1.35v | v | v |
| UMAX          | 4GB | 1Rx8 | 84E44G93UM-16BPSYW    | SS |  |  | 1.5v  | v | v |
| UMAX          | 8GB | 2Rx8 | 84E48G93UM-16BPSYW    | DS |  |  | 1.5v  | v | v |
| Winchip       | 2GB |      | DFC2GBIILJ16800E      | DS |  |  | 1.5v  | v | v |

DDR3 1333MHz

| Module Supplier    | Density | # of Ranks<br>x DRAM<br>devices | Module P/N.           | SS/DS | Chip Brand | Chip P/N.     | Voltage | Memory socket support |   |
|--------------------|---------|---------------------------------|-----------------------|-------|------------|---------------|---------|-----------------------|---|
|                    |         |                                 |                       |       |            |               |         | 1                     | 2 |
| ADATA              | 8GB     | 2Rx8                            | AD3U133W8G9-B         | DS    |            |               | 1.5v    | v                     | v |
| AMD                | 2GB     |                                 | AE32G1339U1-U         | SS    |            |               | 1.5v    | v                     | v |
| AMD                | 4GB     | 2Rx8                            | AE34G1339U2-U         | DS    |            |               | 1.5v    | v                     | v |
| Apacer             | 2GB     |                                 | AU02GFA33C9NBGC       | DS    |            |               | 1.5v    | v                     | v |
| Apacer             | 4GB     | 2Rx8                            | AU04GFA33C9BGC        | DS    |            |               | 1.5v    | v                     | v |
| CORSAIR            | 4GB     | 1Rx8                            | CMV8GX3M2A1333C9      | DS    |            |               | 1.5v    | v                     | v |
| GEIL               | 4GB     | 2Rx8                            | GVP34GB1333C9SC       | DS    |            |               | 1.5v    | v                     | v |
| G.SKILL            | 4GB     | 2Rx8                            | F3-10666CL9D-8GBRL    | DS    |            |               | 1.5v    | v                     | v |
| G.SKILL            | 8GB     | 2Rx8                            | F3-10666CL9S-8GBNT    | DS    |            |               | 1.5v    | v                     | v |
| INTELLIGENT MEMORY | 16GB    | 2Rx8                            | IMM2G64D3LDUD8AG-B15E | DS    |            |               | 1.35v   | v                     | v |
| INTELLIGENT MEMORY | 16GB    | 2Rx8                            | IMM2G64D3DUD8AG-B1    | DS    |            |               | 1.5v    | v                     | v |
| KingMax            | 4GB     | 1Rx8                            | FLFF65F-C6NG9         | SS    |            |               | 1.5v    | v                     | v |
| KingMax            | 4GB     | 1Rx8                            | FLFF65F-C6KU9         | SS    |            |               | 1.5v    | v                     | v |
| KINGTIGER          | 2GB     |                                 | KTG2G1333PW3          | DS    |            |               | 1.5v    | v                     | v |
| Ramax              | 4GB     | 2Rx8                            | RMR1870EC58E9F        | DS    |            |               | 1.5v    | v                     | v |
| Samsung            | 2GB     |                                 | M378B5773CHO-CH9      | SS    |            |               | 1.5v    | v                     | v |
| Samsung            | 4GB     | 2Rx8                            | M378B5273DHO-CH9      | DS    |            |               | 1.5v    | v                     | v |
| Samsung            | 8GB     | 2Rx8                            | M378B1G73AHO          | DS    |            |               | 1.5v    | v                     | v |
| Silicon POWER      | 2GB     |                                 | SP002GBLTU133V02      | DS    | S-POWER    | 20YT3N1 1051Y | 1.5v    | v                     | v |
| tigo               | 4GB     | 2Rx8                            | T12AA4K3762           | DS    |            |               | 1.5v    | v                     | v |
| Winchip            | 4GB     | 2Rx8                            | GDF4GB28L150C9-24GK   | DS    |            |               | 1.5v    | v                     | v |

• Memory modules listed as above is for reference only. Due to massive memory models in market, we can only verify some of them.  
 以上所列的記憶體模組僅供參考，因市面上的記憶體模組眾多，我們無法一一驗證。

• When enabling Dual Channel mode with two or four memory modules, it is recommended that using the same capacity, brand, speed, and chips of memory modules and also installed in the same color of memory slots.  
 若要安裝兩支記憶體模組，建議您使用相同容量/廠牌/速度/顆粒等之記憶體模組。