

Qualified Vendors List (QVL), Model Name: GA-H110M-S2

DDR4 2400MHz (downgrade to DDR4 2133MHz)

| Module Supplier | Density | # of Ranks x DRAM devices | Module P/N. | SS/DS | Chip Brand | Chip P/N. | Timing | Voltage | Memory socket support | |
|-----------------|---------|---------------------------|----------------------|-------|------------|-----------|-------------|---------|-----------------------|---|
| | | | | | | | | | 1 | 2 |
| ADATA | 4GB | 1Rx8 | AX4U2400W4G16-QRZ | SS | SKHynix | | 16-16-16-39 | 1.2v | v | v |
| ADATA | 4GB | 1Rx8 | AX4U2400W4G16-BRZ | SS | | | 16-16-16-39 | 1.2v | v | v |
| ADATA | 8GB | 2Rx8 | AX4U2400W8G16-QRZ | DS | SKHynix | | 16-16-16-39 | 1.2v | v | v |
| ADATA | 8GB | 2Rx8 | AX4U2400W8G16-BRZ | DS | | | 16-16-16-39 | 1.2v | v | v |
| Apacer | 4GB | 1Rx8 | 78.B1GMS.4050B | SS | Samsung | | CL17 | 1.2v | v | v |
| Apacer | 8GB | 2Rx8 | 78.C1GMS.4010B | DS | Samsung | | CL17 | 1.2v | v | v |
| Avexir | 4GB | 1Rx8 | AVD4U24001604G-4M | SS | SKHynix | | CL16 | 1.2v | v | v |
| Avexir | 8GB | 2Rx8 | AVD4U24001608G-4M | DS | SKHynix | | CL16 | 1.2v | v | v |
| CORSAIR | 4GB | 1Rx8 | CMK16GX4M4A2400C14 | SS | Samsung | | 14-16-16-31 | 1.2v | v | v |
| CORSAIR | 4GB | 1Rx8 | CMD16GX4M4A2400C14 | SS | Samsung | | 14-16-16-31 | 1.2v | v | v |
| CORSAIR | 8GB | 2Rx8 | CMK32GX4M4A2400C14 | DS | Samsung | | 14-16-16-31 | 1.2v | v | v |
| CORSAIR | 8GB | 2Rx8 | CMD32GX4M4A2400C14 | DS | Samsung | | 14-16-16-31 | 1.2v | v | v |
| CORSAIR | 16GB | 2Rx8 | CMK128GX4M8A2400C14 | DS | | | 14-16-16-31 | 1.2v | v | v |
| CRUCIAL | 4GB | 1Rx8 | BLS4G4D240FSA.M8FADM | SS | Micron | | 16-16-16-40 | 1.2v | v | v |
| CRUCIAL | 8GB | 2Rx8 | BL58G4D240FSA | DS | Micron | | 16-16-16-40 | 1.2v | v | v |
| CRUCIAL | 16GB | 2Rx8 | BLS16G4D240FSB.16FAD | DS | Micron | | 16-16-16-39 | 1.2v | v | v |
| G.SKILL | 4GB | 1Rx8 | F4-2400C15Q-16GRR | SS | Micron | | 15-15-15-35 | 1.2v | v | v |
| G.SKILL | 8GB | 2Rx8 | F4-2400C15Q-32GRR | DS | Micron | | 15-15-15-35 | 1.2v | v | v |
| G.SKILL | 16GB | 2Rx8 | F4-2400C15Q2-128GRK | DS | | | 15-15-15-35 | 1.2v | v | v |
| GEIL | 4GB | 1Rx8 | GPB416GB2400C15QC | SS | | | 15-15-15-35 | 1.2v | v | v |
| Kingston | 4GB | 1Rx8 | HX424C12PB2K4/16 | SS | SKHynix | | CL12 | 1.35v | v | v |
| PATRIOT | 4GB | 1Rx8 | PX416G240C5QK | SS | | | 15-15-15-35 | 1.2v | v | v |
| PATRIOT | 4GB | 1Rx8 | PX48G240C5K | SS | | | 15-15-15-35 | 1.2v | v | v |
| PATRIOT | 8GB | 2Rx8 | PV432G240C5QK | DS | | | 15-15-15-35 | 1.2v | v | v |
| PATRIOT | 8GB | 2Rx8 | PX432G240C5QK | DS | | | 15-15-15-35 | 1.2v | v | v |
| PATRIOT | 8GB | 2Rx8 | PX416G240C5K | DS | | | 15-15-15-35 | 1.2v | v | v |
| Panram | 4GB | 1Rx8 | PUD42400C154G4NJW | SS | SKhynix | | 15-15-15-35 | 1.2v | v | v |
| Panram | 8GB | 2Rx8 | PUD42400C158G4NJW | DS | SKhynix | | 15-15-15-35 | 1.2v | v | v |
| Team | 4GB | 1Rx8 | TED44GM2400C16BK | SS | Samsung | | 16-16-16-39 | 1.2v | v | v |
| Team | 8GB | 2Rx8 | TED48GM2400C16BK | DS | Samsung | | 16-16-16-39 | 1.2v | v | v |
| V-Color | 4GB | 1Rx8 | TD4G8C17-UH | SS | | | CL17 | 1.2v | v | v |
| V-Color | 8GB | 2Rx8 | TD8G16C17-UH | DS | | | CL17 | 1.2v | v | v |

DDR4 2133MHz

| Module Supplier | Density | # of Ranks x DRAM devices | Module P/N. | SS/DS | Chip Brand | Chip P/N. | Timing | Voltage | Memory socket support | |
|-----------------|---------|---------------------------|-----------------------|-------|------------|-----------|-------------|---------|-----------------------|---|
| | | | | | | | | | 1 | 2 |
| ADATA | 4GB | 1Rx8 | AD4U2133W4G15-BRZ | SS | SKHynix | | CL15 | 1.2v | v | v |
| ADATA | 4GB | 1Rx8 | AX4U2133W4G15-BRZ | SS | | | CL15 | 1.2v | v | v |
| ADATA | 8GB | 2Rx8 | AD4U2133W8G15-BRZ | DS | SKHynix | | CL15 | 1.2v | v | v |
| ADATA | 8GB | 2Rx8 | AX4U2133W8G15-BRZ | DS | | | CL15 | 1.2v | v | v |
| Apacer | 4GB | 1Rx8 | 78.B1GM3.AF00B | SS | | | CL15 | 1.2v | v | v |
| Apacer | 8GB | 2Rx8 | 78.C1GM3.AF10B | DS | | | CL15 | 1.2v | v | v |
| CORSAIR | 4GB | 1Rx8 | CMV4GX4M1A2133C15-ESM | SS | Micron | | CL15 | 1.2v | v | v |
| CORSAIR | 4GB | 1Rx8 | CMV4GX4M1A2133C15 | SS | SKHynix | | CL15 | 1.2v | v | v |
| CORSAIR | 4GB | 1Rx8 | CMK16GX4M4A2133C13 | SS | | | 13-15-15-28 | 1.2v | v | v |
| CORSAIR | 4GB | 1Rx8 | CMD16GX4M4B2133C10 | SS | | | 10-12-12-31 | 1.35v | v | v |
| CORSAIR | 8GB | 2Rx8 | CMV8GX4M1A2133C15-ESM | DS | Micron | | CL15 | 1.2v | v | v |
| CORSAIR | 8GB | 2Rx8 | CMV8GX4M1A2133C15 | DS | SKHynix | | CL15 | 1.2v | v | v |
| CORSAIR | 8GB | 2Rx8 | CMK32GX4M4A2133C13 | DS | | | 13-15-15-28 | 1.2v | v | v |
| CORSAIR | 8GB | 2Rx8 | CMK64GX4M8A2133C13 | DS | | | 13-15-15-28 | 1.2v | v | v |
| CRUCIAL | 4GB | 1Rx8 | CT4G4DFS8213.C8FAR1 | SS | Micron | | CL15 | 1.2v | v | v |
| CRUCIAL | 4GB | 1Rx8 | CT4G4WFS8213.9FA1 | SS | Micron | | CL15 | 1.2v | v | v |
| CRUCIAL | 8GB | 2Rx8 | CT8G4DFD8213.C16FAR1 | DS | Micron | | CL15 | 1.2v | v | v |
| CRUCIAL | 8GB | 2Rx8 | CT8G4WFD8213 | DS | Micron | | CL15 | 1.2v | v | v |
| G.SKILL | 4GB | 1Rx8 | F4-2133C15Q-16GRR | SS | Micron | | 15-15-15-35 | 1.2v | v | v |
| G.SKILL | 8GB | 2Rx8 | F4-2133C15Q-32GRR | DS | Micron | | 15-15-15-35 | 1.2v | v | v |
| innodisk | 4GB | 1Rx8 | M4C0-4GSSLCRG | SS | | | 1.2v | v | v | v |
| innodisk | 8GB | 2Rx8 | M4C0-8GSSMCRG | SS | | | 1.2v | v | v | v |
| Kingston | 4GB | 1Rx8 | HX421C14FBK4/16 | SS | | | 1.2v | v | v | v |
| Panram | 4GB | 1Rx8 | PUD42133C154G2VS | SS | SKhynix | | 15-15-15-36 | 1.2v | v | v |
| Panram | 4GB | 1Rx8 | PUD42133C134G4NJW | SS | SKhynix | | 13-13-13-35 | 1.2v | v | v |
| Panram | 4GB | 1Rx8 | PED42133C154GVS | SS | SKhynix | | 15-15-15-36 | 1.2v | v | v |
| Panram | 8GB | 2Rx8 | PUD42133C158G2VS | DS | SKhynix | | 15-15-15-36 | 1.2v | v | v |
| Panram | 8GB | 2Rx8 | PUD42133C138G4NJW | DS | SKhynix | | 13-13-13-35 | 1.2v | v | v |
| Panram | 8GB | 2Rx8 | PED42133C158GVS | DS | SKhynix | | 15-15-15-36 | 1.2v | v | v |
| SAMSUNG | 4GB | 1Rx8 | M378A5143DB0-CPB | SS | | | 1.2v | v | v | v |
| SAMSUNG | 8GB | 2Rx8 | M378A1G43DB0-CPB | DS | | | 1.2v | v | v | v |
| Silicon POWER | 4GB | 1Rx8 | SP004GBLFU213N01 | SS | Samsung | | CL15 | 1.2v | v | v |
| Silicon POWER | 8GB | 2Rx8 | SP008GBLFU213N01 | DS | Samsung | | CL15 | 1.2v | v | v |
| Team | 4GB | 1Rx8 | TED44GM2133C15BK | SS | | | 15-15-15-36 | 1.2v | 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。