

Qualified Vendors List (QVL)A320M-S2H

| DDR4 3200MHz    |         |                           |                             |       |            |           |             |         |                       |   |     |        |
|-----------------|---------|---------------------------|-----------------------------|-------|------------|-----------|-------------|---------|-----------------------|---|-----|--------|
| Module Supplier | Density | # of Ranks x DRAM devices | Module P/N.                 | SS/DS | Chip Brand | Chip P/N. | Timing      | Voltage | Memory socket support |   | XMP | Native |
|                 |         |                           |                             |       |            |           |             |         | 1                     | 2 |     |        |
| HyperX          | 4GB     | 1Rx8                      | HX432C16PB3K4/16            | SS    | SKhynix    |           | 16-16-16-39 | 1.35v   | v                     | v | v   | 2133   |
| HyperX          | 8GB     | 1Rx8                      | HX432C16PB3K4/32            | SS    | Hynix      |           | 16-18-18    | 1.35v   | v                     | v | v   | 2133   |
|                 |         |                           | HX432C16PB3K2/16            | SS    | Hynix      |           | 16-18-18    | 1.35v   | v                     | v | v   | 2133   |
| CORSAIR         | 4GB     | 1Rx8                      | CMK16GX4M4B3200C15          | SS    |            |           | 16-17-17-35 | 1.35v   | v                     | v | v   | 2133   |
| CORSAIR         | 4GB     | 1Rx8                      | CMK8GX4M2B3200C16           | SS    |            |           | 16-18-18-36 | 1.35v   | v                     | v | v   | 2133   |
| CORSAIR         | 4GB     | 1Rx8                      | CMK8GX4M2B3200C16R          | SS    |            |           | 16-18-18-36 | 1.35v   | v                     | v | v   | 2133   |
| CORSAIR         | 4GB     | 1Rx8                      | CMK16GX4M4B3200C16          | SS    |            |           | 16-18-18-36 | 1.35v   | v                     | v | v   | 2133   |
| CORSAIR         | 4GB     | 1Rx8                      | CMK16GX4M4C3200C16          | SS    |            |           | 16-18-18-36 | 1.35v   | v                     | v | v   | 2133   |
| CORSAIR         | 4GB     | 1Rx8                      | CMK16GX4M4C3200C16R         | SS    |            |           | 16-18-18-36 | 1.35v   | v                     | v | v   | 2133   |
| CORSAIR         | 4GB     | 1Rx8                      | CMD16GX4M4C3200C15          | SS    |            |           | 15-17-17-35 | 1.35v   | v                     | v | v   | 2133   |
| CORSAIR         | 4GB     | 1Rx8                      | CMD16GX4M4B3200C14          | SS    |            |           | 14-16-16-36 | 1.35v   | v                     | v | v   | 2133   |
| CORSAIR         | 4GB     | 1Rx8                      | CMD16GX4M4C3200C16 ver4.24  | SS    | Samsung    |           | 16-18-18-36 | 1.35v   | v                     | v | v   | 2133   |
| CORSAIR         | 8GB     | 2Rx8                      | CMK16GX4M2B3200C16          | DS    |            |           | 16-18-18-36 | 1.35v   | v                     | v | v   | 2133   |
| CORSAIR         | 8GB     | 2Rx8                      | CMK16GX4M2B3200C16R         | DS    |            |           | 16-18-18-36 | 1.35v   | v                     | v | v   | 2133   |
| CORSAIR         | 8GB     | 2Rx8                      | CMK16GX4M2B3200C16W         | DS    |            |           | 16-18-18-36 | 1.35v   | v                     | v | v   | 2133   |
| CORSAIR         | 8GB     | 1Rx8                      | CMD64GX4M8B3200C16          | SS    |            |           | 16-18-18-36 | 1.35v   | v                     | v | v   | 2133   |
| CORSAIR         | 8GB     | 1Rx8                      | CMK64GX4M8B3200C16          | SS    |            |           | 16-18-18-36 | 1.35v   | v                     | v | v   | 2133   |
| CORSAIR         | 8GB     | 2Rx8                      | CMD32GX4M4B3200C16          | DS    |            |           | 16-18-18-36 | 1.35v   | v                     | v | v   | 2133   |
| CORSAIR         | 16GB    | 2Rx8                      | CMK32GX4M2B3200C16          | DS    |            |           | 16-18-18-36 | 1.35v   | v                     | v | v   | 2133   |
| CORSAIR         | 16GB    | 2Rx8                      | CMK32GX4M2B3200C16R         | DS    |            |           | 16-18-18-36 | 1.35v   | v                     | v | v   | 2133   |
| CORSAIR         | 16GB    | 2Rx8                      | CMK32GX4M2B3200C16W         | DS    |            |           | 16-18-18-36 | 1.35v   | v                     | v | v   | 2133   |
| CORSAIR         | 16GB    | 2Rx8                      | CMK64GX4M4B3200C16          | DS    |            |           | 16-18-18-36 | 1.35v   | v                     | v | v   | 2133   |
| CORSAIR         | 16GB    | 2Rx8                      | CMU32GX4M2C3200C16 ver4.31  | DS    | Samsung    |           | 16-18-18-36 | 1.35v   | v                     | v | v   | 2133   |
| CORSAIR         | 16GB    | 2Rx8                      | CMU32GX4M2C3200C16R ver4.31 | DS    | Samsung    |           | 16-18-18-36 | 1.35v   | v                     | v | v   | 2133   |
| CORSAIR         | 16GB    | 2Rx8                      | CMU64GX4M4C3200C16 ver4.31  | DS    | Samsung    |           | 16-18-18-36 | 1.35v   | v                     | v | v   | 2133   |
| CORSAIR         | 16GB    | 2Rx8                      | CMU64GX4M4C3200C16R ver4.31 | DS    | Samsung    |           | 16-18-18-36 | 1.35v   | v                     | v | v   | 2133   |
| CORSAIR         | 16GB    | 2Rx8                      | CMK32GX4M2B3200C16 ver5.39  | DS    | Hynix      |           | 16-18-18-36 | 1.35v   | v                     | v | v   | 2133   |
| CORSAIR         | 16GB    | 2Rx8                      | CMK32GX4M2D3200C16 ver3.31  | DS    | Micron     |           | 16-19-19-36 | 1.35v   | v                     | v | v   | 2133   |
| G.SKILL         | 4GB     | 1Rx8                      | F4-3200C16Q-16GRKD          | SS    | Hynix      |           | 16-16-16-36 | 1.35v   | v                     | v | v   | 2133   |
| G.SKILL         | 4GB     | 1Rx8                      | F4-3200C16Q-16GRK           | SS    |            |           | 16-16-16-36 | 1.35v   | v                     | v | v   | 2133   |
| G.SKILL         | 8GB     | 2Rx8                      | F4-3200C16Q-32GVK           | DS    |            |           | 16-16-16-36 | 1.35v   | v                     | v | v   | 2133   |
| G.SKILL         | 8GB     | 2Rx8                      | F4-3200C16D-16GVKB          | DS    |            |           | 16-18-18-38 | 1.35v   | v                     | v | v   | 2133   |
| G.SKILL         | 8GB     | 1Rx8                      | F4-3200C14Q2-64GVK          | SS    | Samsung    |           | 14-14-14-34 | 1.35v   | v                     | v | v   | 2133   |
| G.SKILL         | 8GB     | 1Rx8                      | F4-3200C15Q2-64GVR          | SS    | Samsung    |           | 15-15-15-35 | 1.35v   | v                     | v | v   | 2133   |
| G.SKILL         | 8GB     | 1Rx8                      | F4-3200C14Q-32GFV           | SS    |            |           | 14-14-14-34 | 1.35v   | v                     | v | v   | 2133   |
| G.SKILL         | 8GB     | 1Rx8                      | F4-3200C16Q-32GTZR          | SS    |            |           | 16-18-18-38 | 1.35v   | v                     | v | v   | 2133   |
| G.SKILL         | 16GB    | 2Rx8                      | F4-3200C16Q-64GVK           | DS    | Samsung    |           | 16-18-18-38 | 1.35v   | v                     | v | v   | 2133   |
| G.SKILL         | 16GB    | 2Rx8                      | F4-3200C14Q-64GVK           | DS    | Samsung    |           | 14-14-14-34 | 1.35v   | v                     | v | v   | 2133   |
| G.SKILL         | 16GB    | 2Rx8                      | F4-3200C14Q2-128GTZ         | DS    | Samsung    |           | 14-14-14-34 | 1.35v   | v                     | v | v   | 2133   |
| ADATA           | 4GB     | 1Rx8                      | AX4U3200W4G16-BGZ           | SS    | Samsung    |           | 16-16-16    | 1.35v   | v                     | v | v   | 2133   |
| ADATA           | 4GB     | 1Rx8                      | AX4U3200W4G16-DGZ           | SS    | Samsung    |           | 16-16-16    | 1.35v   | v                     | v | v   | 2133   |
| ADATA           | 4GB     | 1Rx8                      | AX4U3200W4G16-QGZ           | SS    | Samsung    |           | 16-16-16    | 1.35v   | v                     | v | v   | 2133   |
| ADATA           | 8GB     | 2Rx8                      | AX4U3200W8G16-BGZ           | DS    | Samsung    |           | 16-16-16    | 1.35v   | v                     | v | v   | 2133   |
| ADATA           | 8GB     | 2Rx8                      | AX4U3200W8G16-DGZ           | DS    | Samsung    |           | 16-16-16    | 1.35v   | v                     | v | v   | 2133   |
| ADATA           | 8GB     | 2Rx8                      | AX4U3200W8G16-QGZ           | DS    | Samsung    |           | 16-16-16    | 1.35v   | v                     | v | v   | 2133   |
| ADATA           | 8GB     | 1Rx8                      | AX4U320038G16-B             | SS    | Samsung    |           | 16-16-16    | 1.35v   | v                     | v | v   | 2133   |
| ADATA           | 8GB     | 1Rx8                      | AX4U320038G16-BRS           | SS    |            |           | 16-18-18    | 1.35v   | v                     | v | v   | 2133   |
| ADATA           | 8GB     | 1Rx8                      | AX4U320038G16-SRS           | SS    |            |           | 16-18-18    | 1.35v   | v                     | v | v   | 2133   |
| ADATA           | 8GB     | 1Rx8                      | AX4U320038G16-DRS           | SS    |            |           | 16-18-18    | 1.35v   | v                     | v | v   | 2133   |
| ADATA           | 8GB     | 1Rx8                      | AX4U320038G16-QRS           | SS    |            |           | 16-18-18    | 1.35v   | v                     | v | v   | 2133   |
| ADATA           | 16GB    | 2Rx8                      | AX4U3200316G16-SGZ          | DS    |            |           | 16-18-18    | 1.35v   | v                     | v | v   | 2133   |
| ADATA           | 16GB    | 2Rx8                      | AX4U3200316G16-QGZ          | DS    |            |           | 16-18-18    | 1.35v   | v                     | v | v   | 2133   |
| Apacer          | 4GB     | 1Rx8                      | 78.BAGMD.AF20B              | SS    |            |           | 16-16-16-36 | 1.35v   | v                     | v | v   | 2133   |
| GEIL            | 4GB     | 1Rx8                      | GPR416GB3200C16QC           | SS    |            |           | 16-16-16-36 | 1.35v   | v                     | v | v   | 2133   |
| GEIL            | 8GB     | 1Rx8                      | GEX416GB3200C16DC           | SS    |            |           | 16-16-16-36 | 1.35v   | v                     | v | v   | 2133   |
| GEIL            | 8GB     | 1Rx8                      | GAFY416GB3200C16ADC         | SS    |            |           | 16-18-18-36 | 1.35v   | v                     | v | v   | 2133   |
| PATRIOT         | 4GB     | 1Rx8                      | PV48G320C6K                 | SS    |            |           | CL16        | 1.35v   | v                     | v | v   | 2133   |
| PATRIOT         | 8GB     | 1Rx8                      | PV416G320C6K                | SS    |            |           | CL16        | 1.35v   | v                     | v | v   | 2133   |
| PATRIOT         | 16GB    | 2Rx8                      | PV432G320C6K                | DS    |            |           | CL16        | 1.35v   | v                     | v | v   | 2133   |
| SUPER TALENT    | 4GB     | 1Rx8                      | F3200UA4G                   | SS    |            |           | 16-18-18-36 | 1.35v   | v                     | v | v   | 2133   |
| SUPER TALENT    | 16GB    | 2Rx8                      | F3200UB16G                  | DS    |            |           | 16-18-18-36 | 1.35v   | v                     | v | v   | 2133   |
| Team            | 16GB    | 2Rx8                      | THRD464G3200HC16CQC01       | DS    |            |           | 16-18-18-38 | 1.35v   | v                     | v | v   | 2133   |
| Team            | 16GB    | 2Rx8                      | THWD464G3200HC16CQC01       | DS    |            |           | 16-18-18-38 | 1.35v   | v                     | v | v   | 2133   |
| Team            | 16GB    | 2Rx8                      | THBD464G3200HC16CQC01       | DS    |            |           | 16-18-18-38 | 1.35v   | v                     | v | v   | 2133   |
| Team            | 16GB    | 2Rx8                      | THRD432G3200HC16CDC01       | DS    |            |           | 16-18-18-38 | 1.35v   | v                     | v | v   | 2133   |
| Team            | 16GB    | 2Rx8                      | THWD432G3200HC16CDC01       | DS    |            |           | 16-18-18-38 | 1.35v   | v                     | v | v   | 2133   |
| Team            | 16GB    | 2Rx8                      | THBD432G3200HC16CDC01       | DS    |            |           | 16-18-18-38 | 1.35v   | v                     | v | v   | 2133   |
| KLEVV           | 8GB     | 1Rx8                      | IM48GU88A32-GIISEZ          | DS    |            |           | 16-18-18    | 1.35v   | v                     | v | v   | 2133   |
| Neo Forza       | 8GB     | 1Rx8                      | NMUD480E81-3200DD30         | SS    | Hynix      |           | 16-18-18-16 | 1.35v   | v                     | v | v   | 2133   |
| Neo Forza       | 8GB     | 1Rx8                      | NMUD480E81-3200DA30         | SS    | Hynix      |           | 16-18-18-16 | 1.35v   | v                     | v | v   | 2133   |
| Neo Forza       | 8GB     | 1Rx8                      | NMUD480E81-3200DB30         | SS    | Hynix      |           | 16-18-18-16 | 1.35v   | v                     | v | v   | 2133   |
| Neo Forza       | 8GB     | 1Rx8                      | NMUD480E81-3200DC30         | SS    | Hynix      |           | 16-18-18-16 | 1.35v   | v                     | v | v   | 2133   |

DDR4 3000MHz

| Module Supplier | Density | # of Ranks x DRAM devices | Module P/N. | SS/DS | Chip Brand | Chip P/N. | Timing | Voltage | Memory socket support |   | XMP | Native |
|-----------------|---------|---------------------------|-------------|-------|------------|-----------|--------|---------|-----------------------|---|-----|--------|
|                 |         |                           |             |       |            |           |        |         | 1                     | 2 |     |        |

|         |      |      |                                  |    |         |  |             |       |   |   |   |      |
|---------|------|------|----------------------------------|----|---------|--|-------------|-------|---|---|---|------|
| HyperX  | 4GB  | 1Rx8 | HX430C15PB3K4/16                 | SS | Hynix   |  | C15         | 1.35v | v | v | v | 2133 |
| HyperX  | 4GB  | 1Rx8 | HX430C15PB3K2/8                  | SS | Hynix   |  | C15         | 1.35v | v | v | v | 2133 |
| HyperX  | 8GB  | 1Rx8 | HX430C15PB3K4/32                 | SS | Hynix   |  | C15         | 1.35v | v | v | v | 2133 |
| HyperX  | 8GB  | 1Rx8 | HX430C15PB3K2/16                 | SS | Hynix   |  | C15         | 1.35v | v | v | v | 2133 |
| HyperX  | 8GB  | 1Rx8 | HX430C15PB3K/8                   | SS | Hynix   |  | C15         | 1.35v | v |   | v | 2133 |
| HyperX  | 16GB | 2Rx8 | HX430C15PB3K4/64                 | DS | Hynix   |  | C15         | 1.35v | v | v | v | 2133 |
| HyperX  | 16GB | 2Rx8 | HX430C15PB3K2/32                 | DS | Hynix   |  | C15         | 1.35v | v | v | v | 2133 |
| HyperX  | 16GB | 2Rx8 | HX430C15PB3K8/128                | DS | Hynix   |  | C15         | 1.35v | v | v | v | 2133 |
| HyperX  | 16GB | 2Rx8 | HX430C15PB3K4/64                 | DS | Hynix   |  | C15         | 1.35v | v | v | v | 2133 |
| HyperX  | 16GB | 2Rx8 | HX430C15PB3K2/32                 | DS | Hynix   |  | C15         | 1.35v | v | v | v | 2133 |
| CORSAIR | 4GB  | 1Rx8 | CMD16GX4M4B3000C15               | SS | Samsung |  | 15-17-17-35 | 1.35v | v | v | v | 2133 |
| CORSAIR | 4GB  | 1Rx8 | CMK16GX4M4B3000C15               | SS |         |  | 15-17-17-35 | 1.35v | v | v | v | 2133 |
| CORSAIR | 4GB  | 1Rx8 | CMK16GX4M4B3000C15B              | SS |         |  | 15-17-17-35 | 1.35v | v | v | v | 2133 |
| CORSAIR | 4GB  | 1Rx8 | CMK16GX4M4B3000C15R              | SS |         |  | 15-17-17-35 | 1.35v | v | v | v | 2133 |
| CORSAIR | 4GB  | 1Rx8 | CMD16GX4M4B3000C14               | SS |         |  | 14-16-16-35 | 1.35v | v | v | v | 2133 |
| CORSAIR | 4GB  | 1Rx8 | CMK8GX4M2B3000C15                | SS |         |  | 15-17-17-35 | 1.35v | v | v | v | 2133 |
| CORSAIR | 4GB  | 1Rx8 | CMK8GX4M2B3000C15R               | SS |         |  | 15-17-17-35 | 1.35v | v | v | v | 2133 |
| CORSAIR | 8GB  | 2Rx8 | CMK16GX4M2B3000C15 ver4.23       | DS | Samsung |  | 15-17-17-35 | 1.35v | v | v | v | 2133 |
| CORSAIR | 8GB  | 2Rx8 | CMK16GX4M2B3000C15B ver4.23      | DS | Samsung |  | 15-17-17-35 | 1.35v | v | v | v | 2133 |
| CORSAIR | 8GB  | 2Rx8 | CMK16GX4M2B3000C15R ver4.23      | DS | Samsung |  | 15-17-17-35 | 1.35v | v | v | v | 2133 |
| CORSAIR | 8GB  | 2Rx8 | CMK16GX4M2B3000C15W ver4.23      | DS | Samsung |  | 15-17-17-35 | 1.35v | v | v | v | 2133 |
| CORSAIR | 8GB  | 2Rx8 | CMD16GX4M2B3000C15 ver4.23       | DS | Samsung |  | 15-17-17-35 | 1.35v | v | v | v | 2133 |
| CORSAIR | 8GB  | 2Rx8 | CMD32GX4M4C3000C15 ver4.24       | DS | Samsung |  | 15-17-17-35 | 1.35v | v | v | v | 2133 |
| CORSAIR | 8GB  | 2Rx8 | CMU16GX4M2C3000C15 ver5.30       | DS | Hynix   |  | 15-17-17-35 | 1.35v | v | v | v | 2133 |
| CORSAIR | 8GB  | 2Rx8 | CMU16GX4M2C3000C15R ver5.30      | DS | Hynix   |  | 15-17-17-35 | 1.35v | v | v | v | 2133 |
| CORSAIR | 8GB  | 2Rx8 | CMU32GX4M4C3000C15               | DS |         |  | 15-17-17-35 | 1.35v | v | v | v | 2133 |
| CORSAIR | 8GB  | 2Rx8 | CMU32GX4M4C3000C15R              | DS |         |  | 15-17-17-35 | 1.35v | v | v | v | 2133 |
| CORSAIR | 8GB  | 1Rx8 | CMK16GX4M2B3000C15 ver5.30       | SS | Hynix   |  | 15-17-17-35 | 1.35v | v | v | v | 2133 |
| CORSAIR | 8GB  | 1Rx8 | CMK16GX4M2B3000C15B ver5.30      | SS | Hynix   |  | 15-17-17-35 | 1.35v | v | v | v | 2133 |
| CORSAIR | 8GB  | 1Rx8 | CMK16GX4M2B3000C15R ver5.30      | SS | Hynix   |  | 15-17-17-35 | 1.35v | v | v | v | 2133 |
| CORSAIR | 8GB  | 1Rx8 | CMK16GX4M2B3000C15W ver5.30      | SS | Hynix   |  | 15-17-17-35 | 1.35v | v | v | v | 2133 |
| CORSAIR | 8GB  | 2Rx8 | CM4X8GC3000C15K4-CN ver4.24      | DS | Samsung |  | 15-17-17-35 | 1.35v | v | v | v | 2133 |
| CORSAIR | 8GB  | 1Rx8 | CMD32GX4M4C3000C15 ver5.30       | SS | Hynix   |  | 15-17-17-35 | 1.35v | v | v | v | 2133 |
| CORSAIR | 8GB  | 1Rx8 | CMR32GX4M4C3000C15 ver4.31       | SS | Samsung |  | 15-17-17-35 | 1.35v | v | v | v | 2133 |
| CORSAIR | 8GB  | 1Rx8 | CMD16GX4M2B3000C15 ver5.30       | SS | Hynix   |  | 15-17-17-35 | 1.35v | v | v | v | 2133 |
| CORSAIR | 8GB  | 1Rx8 | CMR16GX4M2C3000C15 ver4.31       | SS | Samsung |  | 15-17-17-35 | 1.35v | v | v | v | 2133 |
| CORSAIR | 8GB  | 1Rx8 | CMR64GX4M8C3000C15 ver5.30       | SS | Hynix   |  | 15-17-17-35 | 1.35v | v | v | v | 2133 |
| CORSAIR | 8GB  | 1Rx8 | CMK16GX4M2B3000C15 ver3.32       | SS | Micron  |  | 15-17-17-35 | 1.35v | v | v | v | 2133 |
| CORSAIR | 8GB  | 1Rx8 | CMD32GX4M4C3000C15 ver3.32       | SS | Micron  |  | 15-17-17-35 | 1.35v | v | v | v | 2133 |
| CORSAIR | 8GB  | 1Rx8 | CMK16GX4M2C3000C16 ver3.31       | SS | Micron  |  | 16-18-18-36 | 1.35v | v | v | v | 2133 |
| CORSAIR | 8GB  | 1Rx8 | CMR16GX4M2C3000C15 ver5.30       | SS | Hynix   |  | 15-17-17-35 | 1.35v | v | v | v | 2133 |
| CORSAIR | 16GB | 2Rx8 | CMK64GX4M4B3000C15               | DS |         |  | 15-17-17-35 | 1.35v | v | v | v | 2133 |
| CORSAIR | 16GB | 2Rx8 | CMK128GX4M8B3000C16              | DS |         |  | 16-18-18-36 | 1.35v | v | v | v | 2133 |
| CORSAIR | 16GB | 2Rx8 | CMD64GX4M4C3000C15               | DS |         |  | 15-17-17-35 | 1.35v | v | v | v | 2133 |
| CORSAIR | 16GB | 2Rx8 | CMU32GX4M2C3000C15R              | DS |         |  | 15-17-17-35 | 1.35v | v | v | v | 2133 |
| CORSAIR | 16GB | 2Rx8 | CMU32GX4M2C3000C15               | DS |         |  | 15-17-17-35 | 1.35v | v | v | v | 2133 |
| CORSAIR | 16GB | 2Rx8 | CMD32GX4M2B3000C15 ver5.39       | DS | Hynix   |  | 15-17-17-35 | 1.35v | v | v | v | 2133 |
| CORSAIR | 16GB | 2Rx8 | CMR32GX4M2C3000C15 ver4.31       | DS | Samsung |  | 15-17-17-35 | 1.35v | v | v | v | 2133 |
| CRUCIAL | 8GB  | 1Rx8 | BLT8G4D30BET4K.C8FD              | SS | Micron  |  | 16-18-18-38 | 1.35v | v | v | v | 2400 |
| G.SKILL | 4GB  | 1Rx8 | F4-3000C15Q-16GVR                | SS |         |  | 15-15-15-35 | 1.35v | v | v | v | 2133 |
| G.SKILL | 8GB  | 2Rx8 | F4-3000C15Q-32GRK                | DS |         |  | 15-15-15-35 | 1.35v | v | v | v | 2133 |
| G.SKILL | 8GB  | 1Rx8 | F4-3000C15Q2-64GVR               | SS |         |  | 15-15-15-35 | 1.35v | v | v | v | 2133 |
| G.SKILL | 8GB  | 1Rx8 | F4-3000C16D-16GTZR               | SS |         |  | 16-18-18-38 | 1.35v | v | v | v | 2133 |
| G.SKILL | 16GB | 2Rx8 | F4-3000C14Q2-128GVKD             | DS |         |  | 14-14-14-34 | 1.35v | v | v | v | 2133 |
| ADATA   | 4GB  | 1Rx8 | AX4U3000W4G16-BWZ                | SS |         |  | 16-16-16    | 1.35v | v |   | v | 2133 |
| ADATA   | 4GB  | 1Rx8 | AX4U3000W4G16-DWZ                | SS |         |  | 16-16-16    | 1.35v | v | v | v | 2133 |
| ADATA   | 4GB  | 1Rx8 | AX4U3000W4G16-QWZ                | SS |         |  | 16-16-16    | 1.35v | v | v | v | 2133 |
| ADATA   | 8GB  | 2Rx8 | AX4U3000W8G16-BWZ                | DS |         |  | 16-16-16    | 1.35v | v |   | v | 2133 |
| ADATA   | 8GB  | 2Rx8 | AX4U3000W8G16-DWZ                | DS |         |  | 16-16-16    | 1.35v | v | v | v | 2133 |
| ADATA   | 8GB  | 2Rx8 | AX4U3000W8G16-QWZ                | DS |         |  | 16-16-16    | 1.35v | v | v | v | 2133 |
| ADATA   | 8GB  | 1Rx8 | AX4U300038G16-BBZ                | SS | Hynix   |  | 16-18-18    | 1.35v | v |   | v | 2133 |
| ADATA   | 8GB  | 1Rx8 | AX4U300038G16-DBZ                | SS | Hynix   |  | 16-18-18    | 1.35v | v | v | v | 2133 |
| ADATA   | 8GB  | 1Rx8 | AX4U300038G16-QBZ                | SS | Hynix   |  | 16-18-18    | 1.35v | v | v | v | 2133 |
| ADATA   | 8GB  | 1Rx8 | AX4U300038G16-BBG                | SS | Hynix   |  | 16-18-18    | 1.35v | v |   | v | 2133 |
| ADATA   | 8GB  | 1Rx8 | AX4U300038G16-SBG                | SS | Hynix   |  | 16-18-18    | 1.35v | v |   | v | 2133 |
| ADATA   | 8GB  | 1Rx8 | AX4U300038G16-DBG                | SS | Hynix   |  | 16-18-18    | 1.35v | v | v | v | 2133 |
| ADATA   | 8GB  | 1Rx8 | AX4U300038G16-QBG                | SS | Hynix   |  | 16-18-18    | 1.35v | v | v | v | 2133 |
| ADATA   | 8GB  | 1Rx8 | AX4U300038G16-BRS                | SS | Hynix   |  | 16-18-18    | 1.35v | v |   | v | 2133 |
| ADATA   | 8GB  | 1Rx8 | AX4U300038G16-SRS                | SS | Hynix   |  | 16-18-18    | 1.35v | v |   | v | 2133 |
| ADATA   | 8GB  | 1Rx8 | AX4U300038G16-DRS                | SS | Hynix   |  | 16-18-18    | 1.35v | v | v | v | 2133 |
| ADATA   | 8GB  | 1Rx8 | AX4U300038G16-QRS                | SS | Hynix   |  | 16-18-18    | 1.35v | v | v | v | 2133 |
| ADATA   | 16GB | 2Rx8 | AX4U3000316G16-SRZ               | DS | Samsung |  | 16-18-18-36 | 1.35v | v |   | v | 2133 |
| ADATA   | 16GB | 2Rx8 | AX4U3000316G16-DRZ               | DS | Samsung |  | 16-18-18-36 | 1.35v | v | v | v | 2133 |
| ADATA   | 16GB | 2Rx8 | AX4U3000316G16-QRZ               | DS | Samsung |  | 16-18-18-36 | 1.35v | v | v | v | 2133 |
| Apacer  | 8GB  | 2Rx8 | AHU08GGB30CDT5H                  | DS |         |  | 16-16-16-36 |       | v | v | v | 2133 |
| Apacer  | 8GB  | 1Rx8 | AHU08GGB30CDU7V                  | SS |         |  | 16-16-16-36 | 1.35v | v | v | v | 2133 |
| Apacer  | 8GB  | 1Rx8 | AHU08GGB30CKU8R (EK.16GAZ.GJDK2) | SS |         |  | 16-18-18-38 | 1.35v | v | v | v | 2400 |
| GEIL    | 8GB  | 2Rx8 | GPR416GB3000C15ADC               | SS |         |  | 15-17-17-35 | 1.35v | v | v | v | 2133 |
| GEIL    | 8GB  | 1Rx8 | GEX416GB3000C15ADC               | SS |         |  | 15-17-17-35 | 1.35v | v | v | v | 2133 |
| GEIL    | 16GB | 2Rx8 | GEXB4128GB3000C16ADQC            | DS |         |  | 16-18-18-36 | 1.35v | v | v | v | 2133 |



|           |      |      |                              |    |       |  |             |      |   |   |   |      |
|-----------|------|------|------------------------------|----|-------|--|-------------|------|---|---|---|------|
| ADATA     | 8GB  | 1Rx8 | AX4U280038G17-DRZ            | SS | Hynix |  | 17-17-17    | 1.2  | v | v | v | 2133 |
| ADATA     | 8GB  | 1Rx8 | AX4U280038G17-QRZ            | SS | Hynix |  | 17-17-17    | 1.2  | v | v | v | 2133 |
| ADATA     | 8GB  | 2Rx8 | AX4U2800W8G17-BRD            | DS | Hynix |  | 17-17-17    | 1.2  | v | v | v | 2133 |
| ADATA     | 8GB  | 2Rx8 | AX4U2800W8G17-DRD            | DS | Hynix |  | 17-17-17    | 1.2  | v | v | v | 2133 |
| ADATA     | 8GB  | 2Rx8 | AX4U2800W8G17-QRD            | DS | Hynix |  | 17-17-17    | 1.2  | v | v | v | 2133 |
| ADATA     | 16GB | 2Rx8 | AX4U2800316G16-BRZ           | DS |       |  | 16-16-16-36 | 1.2v | v | v | v | 2133 |
| ADATA     | 16GB | 2Rx8 | AX4U2800316G16-DRZ           | DS |       |  | 16-16-16-36 | 1.2v | v | v | v | 2133 |
| ADATA     | 16GB | 2Rx8 | AX4U2800316G16-QRZ           | DS |       |  | 16-16-16-36 | 1.2v | v | v | v | 2133 |
| ADATA     | 16GB | 2Rx8 | AX4U2800316G16-SBF           | DS |       |  | 16-16-16    | 1.2v | v | v | v | 2133 |
| ADATA     | 16GB | 2Rx8 | AX4U2800316G16-BRD           | DS | Hynix |  | 16-16-16    | 1.2  | v | v | v | 2133 |
| ADATA     | 16GB | 2Rx8 | AX4U2800316G16-DRD           | DS | Hynix |  | 16-16-16    | 1.2  | v | v | v | 2133 |
| ADATA     | 16GB | 2Rx8 | AX4U2800316G16-QRD           | DS | Hynix |  | 16-16-16    | 1.2  | v | v | v | 2133 |
| KLEVV     | 4GB  | 1Rx8 | KM4C4GX4N-2800-16-16-16-36-0 | SS |       |  | 16-16-16-36 | 1.2v | v | v | v | 2133 |
| KLEVV     | 8GB  | 2Rx8 | KM4C8GX4N-2800-16-16-16-36-0 | DS |       |  | 16-16-16-36 | 1.2v | v | v | v | 2133 |
| KINGMAX   | 8GB  | 1Rx8 | GLMG42F-18KIIA CJBR4         | SS |       |  |             | 1.2v | v | v | v | 2133 |
| PATRIOT   | 4GB  | 1Rx8 | PVE48G280C6KRD               | SS |       |  | CL16        | 1.2v | v | v | v | 2133 |
| Team      | 4GB  | 1Rx8 | TLRED416G2800HC16CQC01       | SS |       |  | 16-18-18-38 | 1.2v | v | v | v | 2133 |
| Team      | 4GB  | 1Rx8 | TDGED416G2800HC16CQC01       | SS |       |  | 16-18-18-38 | 1.2v | v | v | v | 2133 |
| Team      | 4GB  | 1Rx8 | TLRED48G2800HC16CQC01        | SS |       |  | 16-18-18-38 | 1.2v | v | v | v | 2133 |
| Team      | 4GB  | 1Rx8 | TDGED48G2800HC16CQC01        | SS |       |  | 16-18-18-38 | 1.2v | v | v | v | 2133 |
| Team      | 8GB  | 2Rx8 | TLRED432G2800HC16CQC01       | DS |       |  | 16-18-18-38 | 1.2v | v | v | v | 2133 |
| Team      | 8GB  | 2Rx8 | TDGED432G2800HC16CQC01       | DS |       |  | 16-18-18-38 | 1.2v | v | v | v | 2133 |
| Team      | 8GB  | 2Rx8 | THRD432G2800HC16CQC01        | DS |       |  | 16-18-18-38 | 1.2v | v | v | v | 2133 |
| Team      | 8GB  | 2Rx8 | THWD432G2800HC16CQC01        | DS |       |  | 16-18-18-38 | 1.2v | v | v | v | 2133 |
| Team      | 8GB  | 2Rx8 | THBD432G2800HC16CQC01        | DS |       |  | 16-18-18-38 | 1.2v | v | v | v | 2133 |
| Team      | 8GB  | 2Rx8 | TLRED416G2800HC16CQC01       | DS |       |  | 16-18-18-38 | 1.2v | v | v | v | 2133 |
| Team      | 8GB  | 2Rx8 | TDGED416G2800HC16CQC01       | DS |       |  | 16-18-18-38 | 1.2v | v | v | v | 2133 |
| Team      | 8GB  | 2Rx8 | THRD416G2800HC16CQC01        | DS |       |  | 16-18-18-38 | 1.2v | v | v | v | 2133 |
| Team      | 8GB  | 2Rx8 | THWD416G2800HC16CQC01        | DS |       |  | 16-18-18-38 | 1.2v | v | v | v | 2133 |
| Team      | 8GB  | 2Rx8 | THBD416G2800HC16CQC01        | DS |       |  | 16-18-18-38 | 1.2v | v | v | v | 2133 |
| Team      | 16GB | 2Rx8 | THRD464G2800HC16CQC01        | DS |       |  | 16-18-18-38 | 1.2v | v | v | v | 2133 |
| Team      | 16GB | 2Rx8 | THWD464G2800HC16CQC01        | DS |       |  | 16-18-18-38 | 1.2v | v | v | v | 2133 |
| Team      | 16GB | 2Rx8 | THBD464G2800HC16CQC01        | DS |       |  | 16-18-18-38 | 1.2v | v | v | v | 2133 |
| Team      | 16GB | 2Rx8 | THRD432G2800HC16CQC01        | DS |       |  | 16-18-18-38 | 1.2v | v | v | v | 2133 |
| Team      | 16GB | 2Rx8 | THWD432G2800HC16CQC01        | DS |       |  | 16-18-18-38 | 1.2v | v | v | v | 2133 |
| Team      | 16GB | 2Rx8 | THBD432G2800HC16CQC01        | DS |       |  | 16-18-18-38 | 1.2v | v | v | v | 2133 |
| Neo Forza | 8GB  | 1Rx8 | NMUD480E82-2800EB30          | SS | Hynix |  | 19-26-26-46 | 1.2v | v | v | v | 2133 |
| Neo Forza | 8GB  | 1Rx8 | NMUD480E82-2800EA30          | SS | Hynix |  | 19-26-26-46 | 1.2v | v | v | v | 2133 |
| Neo Forza | 8GB  | 1Rx8 | NMUD480E82-2800EC30          | SS | Hynix |  | 19-26-26-46 | 1.2v | v | v | v | 2133 |
| Neo Forza | 8GB  | 1Rx8 | NMUD480E82-2800ED30          | SS | Hynix |  | 19-26-26-46 | 1.2v | v | v | v | 2133 |
| Neo Forza | 16GB | 2Rx8 | NMUD416E82-2800EB30          | DS | Hynix |  | 19-26-26-46 | 1.2v | v | v | v | 2133 |
| Neo Forza | 16GB | 2Rx8 | NMUD416E82-2800EA30          | DS | Hynix |  | 19-26-26-46 | 1.2v | v | v | v | 2133 |
| Neo Forza | 16GB | 2Rx8 | NMUD416E82-2800EC30          | DS | Hynix |  | 19-26-26-46 | 1.2v | v | v | v | 2133 |
| Neo Forza | 16GB | 2Rx8 | NMUD416E82-2800ED30          | DS | Hynix |  | 19-26-26-46 | 1.2v | v | v | v | 2133 |

DDR4 2666MHz

| Module Supplier | Density | # of Ranks<br>x DRAM<br>devices | Module P/N.                  | SS/DS | Chip Brand | Chip P/N. | Timing      | Voltage | Memory socket sup |   | XMP | Native |
|-----------------|---------|---------------------------------|------------------------------|-------|------------|-----------|-------------|---------|-------------------|---|-----|--------|
|                 |         |                                 |                              |       |            |           |             |         | 1                 | 2 |     |        |
| HyperX          | 4GB     | 1Rx8                            | HX426C15FBK4/16              | SS    | SKhynix    |           | CL15        | 1.2v    | v                 | v | v   | 2666   |
| HyperX          | 4GB     | 1Rx8                            | HX426C15FBK2/8               | SS    | SKhynix    |           | CL15        | 1.2v    | v                 | v | v   | 2666   |
| HyperX          | 4GB     | 1Rx8                            | HX426C15FB/4                 | SS    | SKhynix    |           | CL15        | 1.2v    | v                 | v | v   | 2666   |
| HyperX          | 4GB     | 1Rx8                            | HX426C15FBK4/16              | SS    | Micron     |           | CL15        | 1.2v    | v                 | v | v   | 2666   |
| HyperX          | 4GB     | 1Rx8                            | HX426C15FBK2/8               | SS    | Micron     |           | CL15        | 1.2v    | v                 | v | v   | 2666   |
| HyperX          | 4GB     | 1Rx8                            | HX426C15FB/4                 | SS    | Micron     |           | CL15        | 1.2v    | v                 | v | v   | 2666   |
| HyperX          | 8GB     | 2Rx8                            | HX426C15FBK4/32              | DS    | Micron     |           | CL15        | 1.2v    | v                 | v | v   | 2666   |
| HyperX          | 8GB     | 2Rx8                            | HX426C15FBK2/16              | DS    | Micron     |           | CL15        | 1.2v    | v                 | v | v   | 2666   |
| HyperX          | 8GB     | 2Rx8                            | HX426C15FB/8                 | DS    | Micron     |           | CL15        | 1.2v    | v                 | v | v   | 2666   |
| HyperX          | 8GB     | 1Rx8                            | HX426C16FB2K4/32             | SS    | Hynix      |           | CL16        | 1.2v    | v                 | v | v   | 2666   |
| HyperX          | 8GB     | 1Rx8                            | HX426C16FB2K2/16             | SS    | Hynix      |           | CL16        | 1.2v    | v                 | v | v   | 2666   |
| HyperX          | 8GB     | 1Rx8                            | HX426C16FB2/8                | SS    | Hynix      |           | CL16        | 1.2v    | v                 | v | v   | 2666   |
| HyperX          | 8GB     | 1Rx8                            | HX426C16FB2K4/32             | SS    | Micron     |           | CL16        | 1.2v    | v                 | v | v   | 2666   |
| HyperX          | 8GB     | 1Rx8                            | HX426C16FB2K2/16             | SS    | Micron     |           | CL16        | 1.2v    | v                 | v | v   | 2666   |
| HyperX          | 8GB     | 1Rx8                            | HX426C16FB2/8                | SS    | Micron     |           | CL16        | 1.2v    | v                 | v | v   | 2666   |
| HyperX          | 8GB     | 1Rx8                            | HX426C13PB3K4/32             | SS    | Hynix      |           | CL13        | 1.35    | v                 | v | v   | 2400   |
| HyperX          | 8GB     | 1Rx8                            | HX426C13PB3K2/16             | SS    | Hynix      |           | CL13        | 1.35    | v                 | v | v   | 2400   |
| HyperX          | 8GB     | 1Rx8                            | HX426C13PB3/8                | SS    | Hynix      |           | CL13        | 1.35    | v                 | v | v   | 2400   |
| HyperX          | 16GB    | 2Rx8                            | HX426C16FBK4/64              | DS    | Hynix      |           | CL16        | 1.2v    | v                 | v | v   | 2666   |
| HyperX          | 16GB    | 2Rx8                            | HX426C16FBK2/32              | DS    | Hynix      |           | CL16        | 1.2v    | v                 | v | v   | 2666   |
| HyperX          | 16GB    | 2Rx8                            | HX426C16FBK/16               | DS    | Hynix      |           | CL16        | 1.2v    | v                 | v | v   | 2666   |
| HyperX          | 16GB    | 2Rx8                            | HX426C13PB3K4/64             | DS    | Hynix      |           | CL13        | 1.35    | v                 | v | v   | 2400   |
| HyperX          | 16GB    | 2Rx8                            | HX426C13PB3K2/32             | DS    | Hynix      |           | CL13        | 1.35    | v                 | v | v   | 2400   |
| HyperX          | 16GB    | 2Rx8                            | HX426C13PB3/16               | DS    | Hynix      |           | CL13        | 1.35    | v                 | v | v   | 2400   |
| Kingston        | 8GB     | 1Rx8                            | KVR26N19S8/8                 | SS    | Micron     |           | CL19        | 1.2v    | v                 | v | v   | 2666   |
| Kingston        | 8GB     | 1Rx8                            | KVR26N19S8/8                 | SS    | Micron     |           | CL19        | 1.2v    | v                 | v | v   | 2666   |
| Kingston        | 16GB    | 2Rx8                            | KVR26N19D8/16                | DS    | Micron     |           | CL19        | 1.2v    | v                 | v | v   | 2666   |
| Kingston        | 16GB    | 2Rx8                            | KVR26N19D8/16                | DS    | Micron     |           | CL19        | 1.2v    | v                 | v | v   | 2666   |
| CORSAIR         | 4GB     | 1Rx8                            | CMD8GX4M2A2666C15            | SS    |            |           | 15-17-17-35 | 1.2v    | v                 | v | v   | 2133   |
| CORSAIR         | 4GB     | 1Rx8                            | CMK16GX4M4A2666C16 ver 3.21  | SS    | Micron     |           | 16-18-18-35 | 1.2v    | v                 | v | v   | 2133   |
| CORSAIR         | 4GB     | 1Rx8                            | CMK16GX4M4A2666C16B ver 3.21 | SS    | Micron     |           | 16-18-18-35 | 1.2v    | v                 | v | v   | 2133   |
| CORSAIR         | 4GB     | 1Rx8                            | CMK16GX4M4A2666C16R ver 3.21 | SS    | Micron     |           | 16-18-18-35 | 1.2v    | v                 | v | v   | 2133   |

|         |      |      |                              |    |         |  |             |       |   |   |   |      |
|---------|------|------|------------------------------|----|---------|--|-------------|-------|---|---|---|------|
| CORSAIR | 4GB  | 1Rx8 | CMD16GX4M4A2666C12 ver 5.20  | SS | Hynix   |  | 12-14-14-35 | 1.2v  | v | v | v | 2133 |
| CORSAIR | 4GB  | 1Rx8 | CMV4GX4M1A2666C18            | SS |         |  | 18-18-18-43 | 1.2v  | v | v | v | 2666 |
| CORSAIR | 4GB  | 1Rx8 | CMK8GX4M2A2666C16 ver3.22    | SS | Micron  |  | 16-18-18-35 | 1.2v  | v | v | v | 2133 |
| CORSAIR | 8GB  | 2Rx8 | CMK32GX4M4A2666C15           | DS | Samsung |  | 15-17-17-35 | 1.2v  | v | v | v | 2133 |
| CORSAIR | 8GB  | 2Rx8 | CMD32GX4M4A2666C15           | DS | Samsung |  | 15-17-17-35 | 1.2v  | v | v | v | 2133 |
| CORSAIR | 8GB  | 2Rx8 | CMD32GX4M4A2666C16           | DS | Samsung |  | 16-18-18-35 | 1.2v  | v | v | v | 2133 |
| CORSAIR | 8GB  | 2Rx8 | CMK16GX4M2A2666C16 ver4.23   | DS | Samsung |  | 16-18-18-35 | 1.2v  | v | v | v | 2133 |
| CORSAIR | 8GB  | 2Rx8 | CMK16GX4M2A2666C16Rver4.23   | DS | Samsung |  | 16-18-18-35 | 1.2v  | v | v | v | 2133 |
| CORSAIR | 8GB  | 2Rx8 | CMK16GX4M2A2666C16W ver4.23  | DS | Samsung |  | 16-18-18-35 | 1.2v  | v | v | v | 2133 |
| CORSAIR | 8GB  | 2Rx8 | CMK64GX4M8A2666C16           | DS | Samsung |  | 16-18-18-35 | 1.2v  | v | v | v | 2133 |
| CORSAIR | 8GB  | 2Rx8 | CMU32GX4M4A2666C16 ver3.21   | DS | Micron  |  | 16-18-18-35 | 1.2v  | v | v | v | 2133 |
| CORSAIR | 8GB  | 2Rx8 | CMU32GX4M4A2666C16R ver3.21  | DS | Micron  |  | 16-18-18-35 | 1.2v  | v | v | v | 2133 |
| CORSAIR | 8GB  | 2Rx8 | CMK32GX4M4A2666C16 ver3.21   | DS | Micron  |  | 16-18-18-35 | 1.2v  | v | v | v | 2133 |
| CORSAIR | 8GB  | 2Rx8 | CMK32GX4M4A2666C16B ver3.21  | DS | Micron  |  | 16-18-18-35 | 1.2v  | v | v | v | 2133 |
| CORSAIR | 8GB  | 2Rx8 | CMK32GX4M4A2666C16R ver .21  | DS | Micron  |  | 16-18-18-35 | 1.2v  | v | v | v | 2133 |
| CORSAIR | 8GB  | 2Rx8 | CMK32GX4M4A2666C16W ver3.21  | DS | Micron  |  | 16-18-18-35 | 1.2v  | v | v | v | 2133 |
| CORSAIR | 8GB  | 1Rx8 | CMU32GX4M4A2666C16 ver5.30   | SS | Hynix   |  | 16-18-18-35 | 1.2v  | v | v | v | 2133 |
| CORSAIR | 8GB  | 1Rx8 | CMU32GX4M4A2666C16R ver5.30  | SS | Hynix   |  | 16-18-18-35 | 1.2v  | v | v | v | 2133 |
| CORSAIR | 8GB  | 1Rx8 | CMK32GX4M4A2666C16 ver5.30   | SS | Hynix   |  | 16-18-18-35 | 1.2v  | v | v | v | 2133 |
| CORSAIR | 8GB  | 1Rx8 | CMK32GX4M4A2666C16B ver5.30  | SS | Hynix   |  | 16-18-18-35 | 1.2v  | v | v | v | 2133 |
| CORSAIR | 8GB  | 1Rx8 | CMK32GX4M4A2666C16R ver5.30  | SS | Hynix   |  | 16-18-18-35 | 1.2v  | v | v | v | 2133 |
| CORSAIR | 8GB  | 1Rx8 | CMK32GX4M4A2666C16W ver5.30  | SS | Hynix   |  | 16-18-18-35 | 1.2v  | v | v | v | 2133 |
| CORSAIR | 8GB  | 1Rx8 | CMK16GX4M2A2666C16 ver5.30   | DS | Hynix   |  | 16-18-18-35 | 1.2v  | v | v | v | 2133 |
| CORSAIR | 8GB  | 1Rx8 | CMK16GX4M2A2666C16R ver5.30  | DS | Hynix   |  | 16-18-18-35 | 1.2v  | v | v | v | 2133 |
| CORSAIR | 8GB  | 1Rx8 | CMR64GX4M8A2666C16 ver5.30   | SS | Hynix   |  | 16-18-18-35 | 1.2v  | v | v | v | 2133 |
| CORSAIR | 8GB  | 1Rx8 | CMR64GX4M2A2666C16 ver5.30   | SS | Hynix   |  | 16-18-18-35 | 1.2v  | v | v | v | 2133 |
| CORSAIR | 8GB  | 1Rx8 | CMK16GX4M2D2666C16 ver4.21   | SS | Samsung |  | 16-18-18-35 | 1.2v  | v | v | v | 2133 |
| CORSAIR | 8GB  | 1Rx8 | CMV8GX4M1A2666C18            | SS |         |  | 18-18-18-43 | 1.2v  | v | v |   | 2666 |
| CORSAIR | 16GB | 2Rx8 | CMK32GX4M2A2666C16           | DS |         |  | 16-18-18-35 | 1.2v  | v | v | v | 2133 |
| CORSAIR | 16GB | 2Rx8 | CMK32GX4M2A2666C16R          | DS |         |  | 16-18-18-35 | 1.2v  | v | v | v | 2133 |
| CORSAIR | 16GB | 2Rx8 | CMK32GX4M2A2666C16W          | DS |         |  | 16-18-18-35 | 1.2v  | v | v | v | 2133 |
| CORSAIR | 16GB | 2Rx8 | CMK64GX4M4A2666C16 ver 4.31  | DS | Samsung |  | 16-18-18-35 | 1.2v  | v | v | v | 2133 |
| CORSAIR | 16GB | 2Rx8 | CMK64GX4M4A2666C16W ver 4.31 | DS | Samsung |  | 16-18-18-35 | 1.2v  | v | v | v | 2133 |
| CORSAIR | 16GB | 2Rx8 | CMD128GX4M8A2666C15          | DS | Samsung |  | 15-17-17-35 | 1.2v  | v | v | v | 2133 |
| CORSAIR | 16GB | 2Rx8 | CMK32GX4M2A2666C16R          | DS |         |  | 16-18-18-35 | 1.2v  | v | v | v | 2133 |
| CORSAIR | 16GB | 2Rx8 | CMU64GX4M4A2666C16           | DS |         |  | 16-18-18-35 | 1.2v  | v | v | v | 2133 |
| CORSAIR | 16GB | 2Rx8 | CMD64GX4M4A2666C15           | DS |         |  | 15-17-17-35 | 1.2v  | v | v | v | 2133 |
| CORSAIR | 16GB | 2Rx8 | CMK64GX4M4A2666C16 ver3.31   | DS | Micron  |  | 16-18-18-35 | 1.2v  | v | v | v | 2133 |
| CORSAIR | 16GB | 2Rx8 | CMK64GX4M4A2666C16W ver3.31  | DS | Micron  |  | 16-18-18-35 | 1.2v  | v | v | v | 2133 |
| CORSAIR | 16GB | 2Rx8 | CMK16GX4M1A2666C16 ver5.39   | DS | Hynix   |  | 16-18-18-35 | 1.2v  | v | v | v | 2133 |
| CORSAIR | 16GB | 2Rx8 | CMK128GX4M8A2666C16 ver5.39  | DS | Hynix   |  | 16-18-18-35 | 1.2v  | v | v | v | 2133 |
| CORSAIR | 16GB | 2Rx8 | CMV16GX4M1A2666C18           | DS |         |  | 18-18-18-43 | 1.2v  | v | v |   | 2666 |
| CORSAIR | 16GB | 2Rx8 | CMK128GX4M8A2666C16 ver3.32  | DS | Micron  |  | 16-18-18-35 | 1.2v  | v | v | v | 2133 |
| G.SKILL | 4GB  | 1Rx8 | F4-2666C15Q-16GRR            | SS |         |  | 15-15-15-35 | 1.2v  | v | v | v | 2133 |
| G.SKILL | 8GB  | 2Rx8 | F4-2666C15Q-32GRR            | DS | Hynix   |  | 15-15-15-35 | 1.2v  | v | v | v | 2133 |
| ADATA   | 4GB  | 1Rx8 | AX4U2666W4G16-BRZ            | SS | Hynix   |  | 16-16-16    | 1.2v  | v |   | v | 2133 |
| ADATA   | 4GB  | 1Rx8 | AX4U2666W4G16-DRZ            | SS | Hynix   |  | 16-16-16    | 1.2v  | v | v | v | 2133 |
| ADATA   | 4GB  | 1Rx8 | AX4U2666W4G16-QRZ            | SS | Hynix   |  | 16-16-16    | 1.2v  | v | v | v | 2133 |
| ADATA   | 4GB  | 1Rx8 | AD4U2666W4G19-B              | SS | spectek |  | C19         | 1.2v  | v | v |   | 2666 |
| ADATA   | 8GB  | 2Rx8 | AX4U2666W8G16-BRZ            | DS | Hynix   |  | 16-16-16    | 1.2v  | v |   | v | 2133 |
| ADATA   | 8GB  | 2Rx8 | AX4U2666W8G16-DRZ            | DS | Hynix   |  | 16-16-16    | 1.2v  | v | v | v | 2133 |
| ADATA   | 8GB  | 2Rx8 | AX4U2666W8G16-QRZ            | DS | Hynix   |  | 16-16-16    | 1.2v  | v | v | v | 2133 |
| ADATA   | 8GB  | 1Rx8 | AX4U266638G16-BRS            | SS | Hynix   |  | 16-16-16    | 1.2v  | v |   | v | 2133 |
| ADATA   | 8GB  | 1Rx8 | AX4U266638G16-SRS            | SS | Hynix   |  | 16-16-16    | 1.2v  | v |   | v | 2133 |
| ADATA   | 8GB  | 1Rx8 | AX4U266638G16-DRS            | SS | Hynix   |  | 16-16-16    | 1.2v  | v | v | v | 2133 |
| ADATA   | 8GB  | 1Rx8 | AX4U266638G16-QRS            | SS | Hynix   |  | 16-16-16    | 1.2v  | v | v | v | 2133 |
| ADATA   | 8GB  | 1Rx8 | AD4U266638G19-B              | SS |         |  | C19         | 1.2v  | v | v |   | 2666 |
| ADATA   | 16GB | 2Rx8 | AD4U2666316G19-B             | SS |         |  | C19         | 1.2v  | v | v |   | 2666 |
| Apacer  | 4GB  | 1Rx8 | AHU04GGB26CDT6H              | SS |         |  | 16-16-16-36 | 1.2v  | v | v | v | 2133 |
| Apacer  | 8GB  | 2Rx8 | AHU08GGB26CDT6H              | DS |         |  | 16-16-16-36 | 1.2v  | v | v | v | 2133 |
| CRUCIAL | 4GB  | 1Rx8 | BLT4G4D26AFTA.8FADG          | SS |         |  | 16-17-17-36 | 1.2v  | v | v | v | 2400 |
| CRUCIAL | 4GB  | 1Rx8 | BLS4G4D26BFSC.8FBR2          | SS |         |  | 16-18-18-38 | 1.2v  | v | v | v | 2666 |
| CRUCIAL | 8GB  | 2Rx8 | BLT8G4D26AFTA.16FAD          | DS | Micron  |  | 16-17-17-36 | 1.2v  | v | v | v | 2400 |
| CRUCIAL | 8GB  | 2Rx8 | BLS8G4D26BFSC.16FBR2         | DS |         |  | 16-18-18-38 | 1.2v  | v | v | v | 2666 |
| CRUCIAL | 16GB | 2Rx8 | BLS16G4D26BFSC.16FBD         | DS |         |  | 16-18-18-38 | 1.2v  | v | v | v | 2666 |
| GEIL    | 8GB  | 1Rx8 | GAEXW416GB2666C16ADC         | SS |         |  | 16-18-18-36 | 1.35v | v | v | v | 2133 |
| GEIL    | 16GB | 2Rx8 | GAEXW432GB2666C16ADC         | DS |         |  | 16-18-18-36 | 1.35v | v | v | v | 2133 |
| GEIL    | 16GB | 2Rx8 | GAEXY432GB2666C16ADC         | DS |         |  | 16-18-18-36 | 1.35v | v | v | v | 2133 |
| PATRIOT | 4GB  | 1Rx8 | PVE48G266C6KBL               | SS |         |  | CL16        | 1.2v  | v | v | v | 2133 |
| Panram  | 8GB  | 1Rx8 | W4U2666PS-8G                 | SS |         |  | CL16        | 1.2v  | v | v |   | 2666 |
| Panram  | 16GB | 2Rx8 | W4U2666PS-16G                | DS |         |  | CL16        | 1.2v  | v | v |   | 2666 |
| KLEVV   | 4GB  | 1Rx8 | KM4Z4GX1N-2666-15-15-15-35-1 | SS |         |  | 15-15-15-35 | 1.2v  | v | v | v | 2400 |
| KLEVV   | 8GB  | 1Rx8 | KM4Z8GX1N-2666-15-15-15-35-1 | SS |         |  | 15-15-15-35 | 1.2v  | v | v | v | 2400 |
| KLEVV   | 16GB | 2Rx8 | KM4Z16X1N-2666-15-15-15-35-1 | DS |         |  | 15-15-15-35 | 1.2v  | v | v | v | 2400 |
| Team    | 4GB  | 1Rx8 | TLRED416G2666HC15BQC01       | SS |         |  | 15-17-17-35 | 1.2v  | v | v | v | 2133 |
| Team    | 4GB  | 1Rx8 | TGDED416G2666HC15BQC01       | SS |         |  | 15-17-17-35 | 1.2v  | v | v | v | 2133 |
| Team    | 4GB  | 1Rx8 | TLRED48G2666HC15BDC01        | SS |         |  | 15-17-17-35 | 1.2v  | v | v | v | 2133 |
| Team    | 4GB  | 1Rx8 | TGDED48G2666HC15BDC01        | SS |         |  | 15-17-17-35 | 1.2v  | v | v | v | 2133 |

|      |      |      |                        |    |  |  |             |      |   |   |   |      |
|------|------|------|------------------------|----|--|--|-------------|------|---|---|---|------|
| Team | 4GB  | 1Rx8 | TED416G2666C19QC01     | SS |  |  | 19-19-19-43 | 1.2v | v | v |   | 2666 |
| Team | 4GB  | 1Rx8 | TED48G2666C19DC01      | SS |  |  | 19-19-19-43 | 1.2v | v | v |   | 2666 |
| Team | 4GB  | 1Rx8 | TED44G2666C1901        | SS |  |  | 19-19-19-43 | 1.2v | v | v |   | 2666 |
| Team | 8GB  | 2Rx8 | TLRED432G2666HC15BQC01 | DS |  |  | 15-17-17-35 | 1.2v | v | v | v | 2133 |
| Team | 8GB  | 2Rx8 | TDGED432G2666HC15BQC01 | DS |  |  | 15-17-17-35 | 1.2v | v | v | v | 2133 |
| Team | 8GB  | 2Rx8 | THRD432G2666HC15BQC01  | DS |  |  | 15-17-17-35 | 1.2v | v | v | v | 2133 |
| Team | 8GB  | 2Rx8 | THWD432G2666HC15BQC01  | DS |  |  | 15-17-17-35 | 1.2v | v | v | v | 2133 |
| Team | 8GB  | 2Rx8 | THBD432G2666HC15BQC01  | DS |  |  | 15-17-17-35 | 1.2v | v | v | v | 2133 |
| Team | 8GB  | 2Rx8 | TLRED416G2666HC15BDC01 | DS |  |  | 15-17-17-35 | 1.2v | v | v | v | 2133 |
| Team | 8GB  | 2Rx8 | TDGED416G2666HC15BDC01 | DS |  |  | 15-17-17-35 | 1.2v | v | v | v | 2133 |
| Team | 8GB  | 2Rx8 | THRD416G2666HC15BDC01  | DS |  |  | 15-17-17-35 | 1.2v | v | v | v | 2133 |
| Team | 8GB  | 2Rx8 | THWD416G2666HC15BDC01  | DS |  |  | 15-17-17-35 | 1.2v | v | v | v | 2133 |
| Team | 8GB  | 2Rx8 | THBD416G2666HC15BDC01  | DS |  |  | 15-17-17-35 | 1.2v | v | v | v | 2133 |
| Team | 8GB  | 1Rx8 | TED432G2666C19QC01     | SS |  |  | 19-19-19-43 | 1.2v | v | v |   | 2666 |
| Team | 8GB  | 1Rx8 | TED416G2666C19DC01     | SS |  |  | 19-19-19-43 | 1.2v | v | v |   | 2666 |
| Team | 8GB  | 1Rx8 | TED48G2666C1901        | SS |  |  | 19-19-19-43 | 1.2v | v | v |   | 2666 |
| Team | 16GB | 2Rx8 | THRD464G2666HC15BQC01  | DS |  |  | 15-17-17-35 | 1.2v | v | v | v | 2133 |
| Team | 16GB | 2Rx8 | THWD464G2666HC15BQC01  | DS |  |  | 15-17-17-35 | 1.2v | v | v | v | 2133 |
| Team | 16GB | 2Rx8 | THBD464G2666HC15BQC01  | DS |  |  | 15-17-17-35 | 1.2v | v | v | v | 2133 |
| Team | 16GB | 2Rx8 | THRD432G2666HC15BDC01  | DS |  |  | 15-17-17-35 | 1.2v | v | v | v | 2133 |
| Team | 16GB | 2Rx8 | THWD432G2666HC15BDC01  | DS |  |  | 15-17-17-35 | 1.2v | v | v | v | 2133 |
| Team | 16GB | 2Rx8 | THBD432G2666HC15BDC01  | DS |  |  | 15-17-17-35 | 1.2v | v | v | v | 2133 |
| Team | 16GB | 2Rx8 | TED464G2666C19QC01     | DS |  |  | 19-19-19-43 | 1.2v | v | v |   | 2666 |
| Team | 16GB | 2Rx8 | TED432G2666C19DC01     | DS |  |  | 19-19-19-43 | 1.2v | v | v |   | 2666 |
| Team | 16GB | 2Rx8 | TED416G2666C1901       | DS |  |  | 19-19-19-43 | 1.2v | v | v |   | 2666 |

DDR4 2400MHz

| Module Supplier | Density | # of Ranks x DRAM devices | Module P/N.                 | SS/DS | Chip Brand | Chip P/N. | Timing      | Voltage | Memory socket support |   | XMP | Native |
|-----------------|---------|---------------------------|-----------------------------|-------|------------|-----------|-------------|---------|-----------------------|---|-----|--------|
|                 |         |                           |                             |       |            |           |             |         | 1                     | 2 |     |        |
| HyperX          | 8GB     | 2Rx8                      | HX424C15FB/8                | DS    | SKhynix    |           | C15         | 1.2v    | v                     | v | v   | 2133   |
| HyperX          | 8GB     | 1Rx8                      | HX424C15FB2K4/32            | SS    |            |           | C15         | 1.2v    | v                     | v | v   | 2133   |
| HyperX          | 8GB     | 1Rx8                      | HX424C15FB2K2/16            | SS    |            |           | C15         | 1.2v    | v                     | v | v   | 2133   |
| HyperX          | 8GB     | 1Rx8                      | HX424C15FB2/8               | SS    |            |           | C15         | 1.2v    | v                     | v | v   | 2133   |
| HyperX          | 8GB     | 1Rx8                      | HX424C12PB3K4/32            | SS    | Hynix      |           | CL12        | 1.35    | v                     | v | v   | 2400   |
| HyperX          | 8GB     | 1Rx8                      | HX424C12PB3K2/16            | SS    | Hynix      |           | CL12        | 1.35    | v                     | v | v   | 2400   |
| HyperX          | 8GB     | 1Rx8                      | HX424C12PB3/8               | SS    | Hynix      |           | CL12        | 1.35    | v                     | v | v   | 2400   |
| HyperX          | 16GB    | 2Rx8                      | HX424C15FBK4/64             | DS    |            |           | C15         | 1.2v    | v                     | v | v   | 2133   |
| HyperX          | 16GB    | 2Rx8                      | HX424C15FBK2/32             | DS    |            |           | C15         | 1.2v    | v                     | v | v   | 2133   |
| HyperX          | 16GB    | 2Rx8                      | HX424C15FB/16               | DS    |            |           | C15         | 1.2v    | v                     | v | v   | 2133   |
| HyperX          | 16GB    | 2Rx8                      | HX424C12PB3K4/64            | DS    | Hynix      |           | CL12        | 1.35    | v                     | v | v   | 2400   |
| HyperX          | 16GB    | 2Rx8                      | HX424C12PB3K2/32            | DS    | Hynix      |           | CL12        | 1.35    | v                     | v | v   | 2400   |
| HyperX          | 16GB    | 2Rx8                      | HX424C12PB3/16              | DS    | Hynix      |           | CL12        | 1.35    | v                     | v | v   | 2400   |
| Kingston        | 8GB     | 1Rx8                      | KVR24N17S8/8                | SS    | Micron     |           | CL17        | 1.2v    | v                     | v |     | 2400   |
| Kingston        | 16GB    | 2Rx8                      | KVR24N17D8/16               | DS    | Micron     |           | CL17        | 1.2v    | v                     | v |     | 2400   |
| CORSAIR         | 4GB     | 1Rx8                      | CMK16GX4M4A2400C14          | SS    | Samsung    |           | 14-16-16-31 | 1.2v    | v                     | v | v   | 2133   |
| CORSAIR         | 4GB     | 1Rx8                      | CMK16GX4M4A2400C14B         | SS    | Samsung    |           | 14-16-16-31 | 1.2v    | v                     | v | v   | 2133   |
| CORSAIR         | 4GB     | 1Rx8                      | CMK16GX4M4A2400C14R         | SS    | Samsung    |           | 14-16-16-31 | 1.2v    | v                     | v | v   | 2133   |
| CORSAIR         | 4GB     | 1Rx8                      | CMD16GX4M4A2400C14          | SS    | Samsung    |           | 14-16-16-31 | 1.2v    | v                     | v | v   | 2133   |
| CORSAIR         | 4GB     | 1Rx8                      | CMK8GX4M2D2400C14 ver3.11   | SS    | Micron     |           | 14-16-16-31 | 1.2v    | v                     | v | v   | 2133   |
| CORSAIR         | 8GB     | 2Rx8                      | CMK32GX4M4A2400C14          | DS    | Samsung    |           | 14-16-16-31 | 1.2v    | v                     | v | v   | 2133   |
| CORSAIR         | 8GB     | 2Rx8                      | CMK32GX4M4A2400C14B         | DS    | Samsung    |           | 14-16-16-31 | 1.2v    | v                     | v | v   | 2133   |
| CORSAIR         | 8GB     | 2Rx8                      | CMK32GX4M4A2400C14R         | DS    | Samsung    |           | 14-16-16-31 | 1.2v    | v                     | v | v   | 2133   |
| CORSAIR         | 8GB     | 1Rx8                      | CMD64GX4M8A2400C14 ver4.24  | SS    | Samsung    |           | 14-16-16-31 | 1.2v    | v                     | v | v   | 2133   |
| CORSAIR         | 8GB     | 2Rx8                      | CMK64GX4M8A2400C14          | DS    |            |           | 14-16-16-31 | 1.2v    | v                     | v | v   | 2133   |
| CORSAIR         | 8GB     | 2Rx8                      | CMK32GX4M4A2400C16          | SS    |            |           | 16-16-16-39 | 1.2v    | v                     | v | v   | 2133   |
| CORSAIR         | 8GB     | 2Rx8                      | CMK32GX4M4A2400C16R         | SS    |            |           | 16-16-16-39 | 1.2v    | v                     | v | v   | 2133   |
| CORSAIR         | 8GB     | 1Rx8                      | CMK16GX4M2A2400C16          | SS    |            |           | 16-16-16-39 | 1.2v    | v                     | v | v   | 2133   |
| CORSAIR         | 8GB     | 1Rx8                      | CMK16GX4M2A2400C16R         | SS    |            |           | 16-16-16-39 | 1.2v    | v                     | v | v   | 2133   |
| CORSAIR         | 8GB     | 2Rx8                      | CMD32GX4M4A2400C12          | DS    |            |           | 12-14-14-28 | 1.2v    | v                     | v | v   | 2133   |
| CORSAIR         | 8GB     | 2Rx8                      | CMK32GX4M4A2400C12          | DS    |            |           | 12-14-14-28 | 1.2v    | v                     | v | v   | 2133   |
| CORSAIR         | 8GB     | 1Rx8                      | CMK16GX4M2Z2400C16 ver3.31  | SS    | Micron     |           | 16-16-16-39 | 1.2v    | v                     | v |     | 2133   |
| CORSAIR         | 8GB     | 1Rx8                      | CMK16GX4M2A2400C16 ver5.30  | SS    | Hynix      |           | 16-16-16-39 | 1.2v    | v                     | v | v   | 2133   |
| CORSAIR         | 8GB     | 1Rx8                      | CMK32GX4M4A2400C14 ver3.31  | SS    | Micron     |           | 14-16-16-31 | 1.2v    | v                     | v | v   | 2133   |
| CORSAIR         | 8GB     | 1Rx8                      | CMK16GX4M2D2400C14 ver4.21  | SS    | Samsung    |           | 14-16-16-31 | 1.2v    | v                     | v | v   | 2133   |
| CORSAIR         | 16GB    | 2Rx8                      | CMK128GX4M8A2400C14         | DS    |            |           | 14-16-16-31 | 1.2v    | v                     | v | v   | 2133   |
| CORSAIR         | 16GB    | 2Rx8                      | CMK64GX4M4A2400C14          | DS    |            |           | 14-16-16-31 | 1.2v    | v                     | v | v   | 2133   |
| CORSAIR         | 16GB    | 2Rx8                      | CMD128GX4M8A2400C14         | DS    |            |           | 14-16-16-31 | 1.2v    | v                     | v | v   | 2133   |
| CORSAIR         | 16GB    | 2Rx8                      | CMK128GX4M8A2400C14 ver5.30 | DS    | Hynix      |           | 14-16-16-31 | 1.2v    | v                     | v | v   | 2133   |
| CORSAIR         | 16GB    | 2Rx8                      | CMK64GX4M4A2400C16 ver3.32  | DS    | Micron     |           | 16-16-16-39 | 1.2v    | v                     | v | v   | 2133   |
| G.SKILL         | 4GB     | 1Rx8                      | F4-2400C15Q-16GRR           | SS    | Micron     |           | 15-15-15-35 | 1.2v    | v                     | v | v   | 2133   |
| G.SKILL         | 8GB     | 2Rx8                      | F4-2400C15Q-32GRR           | DS    | Micron     |           | 15-15-15-35 | 1.2v    | v                     | v | v   | 2133   |
| G.SKILL         | 8GB     | 2Rx8                      | F4-2400C15Q2-64GRK          | DS    |            |           | 15-15-15-35 | 1.2v    | v                     | v | v   | 2133   |
| G.SKILL         | 8GB     | 1Rx8                      | F4-2400C17S-8GDB            | SS    |            |           | 17-17-17-39 | 1.2v    | v                     | v |     | 2400   |
| G.SKILL         | 16GB    | 2Rx8                      | F4-2400C15Q2-128GRK         | DS    |            |           | 15-15-15-35 | 1.2v    | v                     | v | v   | 2133   |
| ADATA           | 4GB     | 1Rx8                      | AD4U2400W4G17-B             | SS    | Hynix      |           |             | 1.2v    | v                     | v |     | 2400   |
| ADATA           | 8GB     | 2Rx8                      | AD4U2400W8G17-B             | DS    | Hynix      |           |             | 1.2v    | v                     | v |     | 2400   |
| ADATA           | 8GB     | 2Rx8                      | AX4U2400W8G16-BRD           | DS    | Hynix      |           | 16-16-16    | 1.2v    | v                     | v | v   | 2133   |
| ADATA           | 8GB     | 2Rx8                      | AX4U2400W8G16-DRD           | DS    | Hynix      |           | 16-16-16    | 1.2v    | v                     | v | v   | 2133   |
| ADATA           | 8GB     | 2Rx8                      | AX4U2400W8G16-QRD           | DS    | Hynix      |           | 16-16-16    | 1.2v    | v                     | v | v   | 2133   |
| ADATA           | 8GB     | 1Rx8                      | AX4U240038G16-BRZ           | SS    | Hynix      |           | 16-16-16    | 1.2v    | v                     | v | v   | 2133   |

|         |      |       |                                |    |         |  |             |       |   |   |   |      |
|---------|------|-------|--------------------------------|----|---------|--|-------------|-------|---|---|---|------|
| ADATA   | 8GB  | 1Rx8  | AX4U240038G16-DRZ              | SS | Hynix   |  | 16-16-16    | 1.2v  | v | v | v | 2133 |
| ADATA   | 8GB  | 1Rx8  | AX4U240038G16-QRZ              | SS | Hynix   |  | 16-16-16    | 1.2v  | v | v | v | 2133 |
| ADATA   | 8GB  | 2Rx8  | AX4U2400W8G16-BRZ              | DS |         |  | 16-16-16    | 1.2v  | v | v | v | 2133 |
| ADATA   | 8GB  | 2Rx8  | AX4U2400W8G16-DRZ              | DS |         |  | 16-16-16    | 1.2v  | v | v | v | 2133 |
| ADATA   | 8GB  | 2Rx8  | AX4U2400W8G16-QRZ              | DS |         |  | 16-16-16    | 1.2v  | v | v | v | 2133 |
| ADATA   | 16GB | 2Rx8  | AX4U2400316G16-BRZ             | DS | Hynix   |  | 16-16-16    | 1.2v  | v | v | v | 2133 |
| ADATA   | 16GB | 2Rx8  | AX4U2400316G16-DRZ             | DS | Hynix   |  | 16-16-16    | 1.2v  | v | v | v | 2133 |
| ADATA   | 16GB | 2Rx8  | AX4U2400316G16-QRZ             | DS | Hynix   |  | 16-16-16    | 1.2v  | v | v | v | 2133 |
| ADATA   | 16GB | 2Rx8  | AX4U2400316G16-BRD             | DS | Hynix   |  | 16-16-16    | 1.2v  | v | v | v | 2133 |
| ADATA   | 16GB | 2Rx8  | AX4U2400316G16-DRD             | DS | Hynix   |  | 16-16-16    | 1.2v  | v | v | v | 2133 |
| ADATA   | 16GB | 2Rx8  | AX4U2400316G16-QRD             | DS | Hynix   |  | 16-16-16    | 1.2v  | v | v | v | 2133 |
| Apacer  | 8GB  | 2Rx8  | AU08GGB24CETBGC                | DS |         |  | CL17        | 1.2v  | v | v |   | 2400 |
| Apacer  | 8GB  | 1Rx8  | AHU08GGB24CDU7G                | SS |         |  | 16-16-16-36 | 1.2v  | v | v | v | 2133 |
| Apacer  | 8GB  | 1Rx8  | AHU08GGB24CDU7S (EK.08G2T.GEJ) | SS |         |  | 16-16-16-36 | 1.2v  | v | v | v | 2400 |
| CRUCIAL | 8GB  | 2Rx8  | BLS8G4D240FSB.16FARG           | DS | Micron  |  | 16-16-16-39 | 1.2v  | v | v | v | 2400 |
| CRUCIAL | 8GB  | 2Rx8  | BLS8G4D240FSA.16FARG           | DS | Micron  |  | 16-16-16-39 | 1.2v  | v | v | v | 2400 |
| CRUCIAL | 8GB  | 1Rx8  | CT8G4DFS824A.8FB1              | SS | Micron  |  | CL17        | 1.2v  | v | v |   | 2400 |
| CRUCIAL | 8GB  | 2Rx8  | CT8G4WFD824A.18FB1             | DS | Micron  |  | CL17        | 1.2v  | v | v |   | 2400 |
| CRUCIAL | 8GB  | 2Rx8  | BLS8G4D240FSB.16FAR            | DS | Micron  |  | 16-16-16-39 | 1.2v  | v | v | v | 2400 |
| CRUCIAL | 16GB | 2Rx8  | CT16G4DFD824A.16FB1            | DS | Micron  |  | CL17        | 1.2v  | v | v |   | 2400 |
| CRUCIAL | 16GB | 2Rx8  | CT16G4WFD824A.18FB1            | DS | Micron  |  | CL17        | 1.2v  | v | v |   | 2400 |
| GEIL    | 4GB  | 1Rx8  | GPR48GB2400C16DC               | SS |         |  | 16-16-16-36 | 1.2v  | v | v | v | 2133 |
| GEIL    | 8GB  | 2Rx8  | GPR432GB2400C15QC              | DS |         |  | 15-15-15-35 | 1.2v  | v | v | v | 2133 |
| GEIL    | 8GB  | 1Rx16 | GFY416GB2400C16DC              | SS |         |  | 16-16-16-36 | 1.2v  | v | v | v | 2133 |
| GEIL    | 8GB  | 1Rx8  | GAPB416GB2400C16DC             | SS |         |  | 16-16-16-36 | 1.2v  | v | v | v | 2133 |
| GEIL    | 8GB  | 1Rx8  | GLS416GB2400C16DC              | SS |         |  | 16-16-16-36 | 1.2v  | v | v | v | 2133 |
| GEIL    | 16GB | 2Rx8  | GPR432GB2400C16QC              | DS |         |  | 16-16-16-36 | 1.2v  | v | v | v | 2133 |
| GALAX   | 4GB  | 1Rx8  | GAM4BXLBS240016JE164C          | SS |         |  | 16-16-16-36 | 1.2v  | v | v | v | 2133 |
| GALAX   | 4GB  | 1Rx8  | HOF4BLBM240012FD041C           | SS |         |  | 12-12-12-28 | 1.35v | v | v | v | 2133 |
| KLEVV   | 4GB  | 1Rx8  | KM4B4GX1N-2400-15-15-15-35-0   | SS |         |  | 15-15-15-35 | 1.2v  | v | v | v | 2400 |
| KLEVV   | 4GB  | 1Rx8  | KM4Z4GX1N-2400-15-15-15-35-1   | SS |         |  | 15-15-15-35 | 1.2v  | v | v | v | 2400 |
| KLEVV   | 8GB  | 1Rx8  | KM4B8GX1N-2400-15-15-15-35-0   | SS |         |  | 15-15-15-35 | 1.2v  | v | v | v | 2400 |
| KLEVV   | 8GB  | 1Rx8  | KM4Z8GX1N-2400-15-15-15-35-1   | SS |         |  | 15-15-15-35 | 1.2v  | v | v | v | 2400 |
| KLEVV   | 16GB | 2Rx8  | KM4B16X1N-2400-15-15-15-35-0   | DS |         |  | 15-15-15-35 | 1.2v  | v | v | v | 2400 |
| KLEVV   | 16GB | 2Rx8  | KM4Z16X1N-2400-15-15-15-35-0   | DS |         |  | 15-15-15-35 | 1.2v  | v | v | v | 2400 |
| KINGMAX | 4GB  | 1Rx16 | GLLF62F-DAKZIG CLBU Z11C       | SS | Spectek |  | 17-17-17-39 | 1.2v  | v | v |   | 2400 |
| KINGMAX | 4GB  | 1Rx16 | GLLF62F-DAKZIG CLBU Z11B       | SS | Spectek |  | 17-17-17-39 | 1.2v  | v | v |   | 2400 |
| KINGMAX | 16GB | 2Rx8  | GLLH22F-18K1IA CFBU2 Z11B      | DS | Spectek |  | 17-17-17-39 | 1.2v  | v | v |   | 2400 |
| PATRIOT | 4GB  | 1Rx8  | PVE48G240C5KRD                 | SS |         |  | CL15        | 1.2v  | v | v | v | 2133 |
| PATRIOT | 8GB  | 1Rx8  | PVE416G240C5KRD                | SS |         |  | CL15        | 1.2v  | v | v | v | 2133 |
| PATRIOT | 8GB  | 1Rx8  | PSD48G240081                   | SS |         |  | CL17        | 1.2v  | v | v |   | 2400 |
| PATRIOT | 16GB | 2Rx8  | PSD416G24002                   | DS |         |  | CL17        | 1.2v  | v | v |   | 2400 |
| Team    | 8GB  | 2Rx8  | TED432G2400C16QC01             | DS |         |  | 16-16-16-39 | 1.2v  | v | v |   | 2400 |
| Team    | 8GB  | 2Rx8  | TPRD432G2400HC16QC01           | DS |         |  | 16-16-16-39 | 1.2v  | v | v |   | 2400 |
| Team    | 8GB  | 2Rx8  | TPD432G2400HC16QC01            | DS |         |  | 16-16-16-39 | 1.2v  | v | v |   | 2400 |
| Team    | 8GB  | 2Rx8  | TED416G2400C16DC01             | DS |         |  | 16-16-16-39 | 1.2v  | v | v |   | 2400 |
| Team    | 8GB  | 2Rx8  | TPRD416G2400HC16DC01           | DS |         |  | 16-16-16-39 | 1.2v  | v | v |   | 2400 |
| Team    | 8GB  | 2Rx8  | TPD416G2400HC16DC01            | DS |         |  | 16-16-16-39 | 1.2v  | v | v |   | 2400 |
| Team    | 8GB  | 2Rx8  | TED48G2400C1601                | DS |         |  | 16-16-16-39 | 1.2v  | v |   |   | 2400 |
| Team    | 8GB  | 2Rx8  | TPRD48G2400HC1601              | DS |         |  | 16-16-16-39 | 1.2v  | v |   |   | 2400 |
| Team    | 8GB  | 2Rx8  | TPD48G2400HC1601               | DS |         |  | 16-16-16-39 | 1.2v  | v |   |   | 2400 |
| Team    | 8GB  | 2Rx8  | TDTRD416G2400HC15ADC01         | DS |         |  | 15-15-15-35 | 1.2v  | v | v | v | 2133 |
| Team    | 8GB  | 2Rx8  | TDTWD416G2400HC15ADC01         | DS |         |  | 15-15-15-35 | 1.2v  | v | v | v | 2133 |
| Team    | 8GB  | 2Rx8  | TDTBD416G2400HC15ADC01         | DS |         |  | 15-15-15-35 | 1.2v  | v | v | v | 2133 |
| Team    | 8GB  | 2Rx8  | TDTRD48G2400HC15A01            | DS |         |  | 15-15-15-35 | 1.2v  | v | v | v | 2133 |
| Team    | 8GB  | 2Rx8  | TDTWD48G2400HC15A01            | DS |         |  | 15-15-15-35 | 1.2v  | v | v | v | 2133 |
| Team    | 8GB  | 2Rx8  | TDTBD48G2400HC15A01            | DS |         |  | 15-15-15-35 | 1.2v  | v | v | v | 2133 |
| Team    | 8GB  | 1Rx8  | TLGD432G2400HC14QC01           | SS |         |  | 14-16-16-31 | 1.2v  | v | v | v | 2133 |
| Team    | 8GB  | 1Rx8  | TLRED432G2400HC14QC01          | SS |         |  | 14-16-16-31 | 1.2v  | v | v | v | 2133 |
| Team    | 8GB  | 1Rx8  | TLGD416G2400HC14DC01           | SS |         |  | 14-16-16-31 | 1.2v  | v | v | v | 2133 |
| Team    | 8GB  | 1Rx8  | TLRED416G2400HC14DC01          | SS |         |  | 14-16-16-31 | 1.2v  | v | v | v | 2133 |
| Team    | 8GB  | 1Rx8  | TLGD48G2400HC1401              | SS |         |  | 14-16-16-31 | 1.2v  | v |   |   | 2133 |
| Team    | 8GB  | 1Rx8  | TLRED48G2400HC1401             | SS |         |  | 14-16-16-31 | 1.2v  | v |   |   | 2133 |
| Team    | 8GB  | 1Rx8  | TF3D48G2400HC15BBK             | SS |         |  | 15-17-17-35 | 1.2v  | v | v | v | 2133 |
| Team    | 16GB | 2Rx8  | TED464G2400C16QC01             | DS |         |  | 16-16-16-39 | 1.2v  | v | v |   | 2400 |
| Team    | 16GB | 2Rx8  | TPRD464G2400HC16QC01           | DS |         |  | 16-16-16-39 | 1.2v  | v | v |   | 2400 |
| Team    | 16GB | 2Rx8  | TPD464G2400HC16QC01            | DS |         |  | 16-16-16-39 | 1.2v  | v | v |   | 2400 |
| Team    | 16GB | 2Rx8  | TED432G2400C16DC01             | DS |         |  | 16-16-16-39 | 1.2v  | v | v |   | 2400 |
| Team    | 16GB | 2Rx8  | TPRD432G2400HC16DC01           | DS |         |  | 16-16-16-39 | 1.2v  | v | v |   | 2400 |
| Team    | 16GB | 2Rx8  | TPD432G2400HC16DC01            | DS |         |  | 16-16-16-39 | 1.2v  | v | v |   | 2400 |
| Team    | 16GB | 2Rx8  | TED416G2400C1601               | DS |         |  | 16-16-16-39 | 1.2v  | v |   |   | 2400 |
| Team    | 16GB | 2Rx8  | TPRD416G2400HC1601             | DS |         |  | 16-16-16-39 | 1.2v  | v |   |   | 2400 |
| Team    | 16GB | 2Rx8  | TPD416G2400HC1601              | DS |         |  | 16-16-16-39 | 1.2v  | v |   |   | 2400 |
| Team    | 16GB | 2Rx8  | TDTRD464G2400HC15BQC01         | DS |         |  | 15-17-17-35 | 1.2v  | v | v | v | 2133 |
| Team    | 16GB | 2Rx8  | TDTWD464G2400HC15BQC01         | DS |         |  | 15-17-17-35 | 1.2v  | v | v | v | 2133 |
| Team    | 16GB | 2Rx8  | TDTBD464G2400HC15BQC01         | DS |         |  | 15-17-17-35 | 1.2v  | v | v | v | 2133 |
| Team    | 16GB | 2Rx8  | TDTRD432G2400HC15BDC01         | DS |         |  | 15-17-17-35 | 1.2v  | v | v | v | 2133 |
| Team    | 16GB | 2Rx8  | TDTWD432G2400HC15BDC01         | DS |         |  | 15-17-17-35 | 1.2v  | v | v | v | 2133 |
| Team    | 16GB | 2Rx8  | TDTBD432G2400HC15BDC01         | DS |         |  | 15-17-17-35 | 1.2v  | v | v | v | 2133 |

|          |     |       |                  |    |         |  |      |      |   |   |  |      |
|----------|-----|-------|------------------|----|---------|--|------|------|---|---|--|------|
| Samsung  | 4GB | 1Rx16 | M378A5244CB0-CRC | SS |         |  |      | 1.2v | v | v |  | 2400 |
| innodisk | 8GB | 2Rx8  | M4C0-8GSSMCSJ    | DS | Samsung |  |      | 1.2v | v | v |  | 2400 |
| V-Color  | 8GB | 2Rx8  | TD8G16C17-UH     | DS |         |  | CL17 | 1.2v | v | v |  | 2400 |
| V-Color  | 8GB | 1Rx8  | TC48G24S817      | SS |         |  | CL17 | 1.2v | v | v |  | 2400 |

**DDR4 2133MHz**

| Module Supplier | Density | # of Ranks<br>x DRAM<br>devices | Module P/N.                  | SS/DS | Chip Brand | Chip P/N.        | Timing      | Voltage | Memory socket support |   | XMP | Native |
|-----------------|---------|---------------------------------|------------------------------|-------|------------|------------------|-------------|---------|-----------------------|---|-----|--------|
|                 |         |                                 |                              |       |            |                  |             |         | 1                     | 2 |     |        |
| HyperX          | 8GB     | 1Rx8                            | HX421C14FB2K4/32             | SS    |            |                  | CL14        | 1.2v    | v                     | v |     | v      |
| HyperX          | 8GB     | 1Rx8                            | HX421C14FB2K2/16             | SS    |            |                  | CL14        | 1.2v    | v                     | v |     | v      |
| HyperX          | 8GB     | 1Rx8                            | HX421C14FB2/8                | SS    |            |                  | CL14        | 1.2v    | v                     | v |     | v      |
| HyperX          | 16GB    | 2Rx8                            | HX421C14FBK4/64              | DS    |            |                  | CL14        | 1.2v    | v                     | v |     | v      |
| HyperX          | 16GB    | 2Rx8                            | HX421C14FBK2/32              | DS    |            |                  | CL14        | 1.2v    | v                     | v |     | v      |
| HyperX          | 16GB    | 2Rx8                            | HX421C14FB/16                | DS    |            |                  | CL14        | 1.2v    | v                     | v |     | v      |
| Kingston        | 4GB     | 1Rx8                            | KVR21N15S8/4                 | SS    | SKhynix    |                  | CL15        | 1.2v    | v                     | v |     | v      |
| Kingston        | 4GB     | 1Rx8                            | KVR21E15S8/4                 | SS    | SKhynix    |                  | CL15        | 1.2v    | v                     | v |     | v      |
| Kingston        | 8GB     | 2Rx8                            | KVR21N15D8/8                 | DS    | SKhynix    |                  | CL15        | 1.2v    | v                     | v |     | v      |
| Kingston        | 8GB     | 2Rx8                            | KVR21E15D8/8HA               | DS    | SKhynix    |                  | CL15        | 1.2v    | v                     | v |     | v      |
| Kingston        | 8GB     | 1Rx8                            | KVR21N15S8/8                 | DS    | Micron     |                  | CL15        | 1.2v    | v                     | v |     | v      |
| Kingston        | 16GB    | 2Rx8                            | KVR21N15D8/16                | DS    | Micron     |                  | CL15        | 1.2v    | v                     | v |     | v      |
| CORSAIR         | 4GB     | 1Rx8                            | CMK16GX4M4A2133C13           | SS    |            |                  | 13-15-15-28 | 1.2v    | v                     | v |     | v      |
| CORSAIR         | 4GB     | 1Rx8                            | CMK16GX4M4A2133C13B          | SS    |            |                  | 13-15-15-28 | 1.2v    | v                     | v |     | v      |
| CORSAIR         | 4GB     | 1Rx8                            | CMK16GX4M4A2133C13R          | SS    |            |                  | 13-15-15-28 | 1.2v    | v                     | v |     | v      |
| CORSAIR         | 4GB     | 1Rx8                            | CMD16GX4M4B2133C10           | SS    |            |                  | 10-12-12-31 | 1.35v   | v                     | v | v   | v      |
| CORSAIR         | 8GB     | 2Rx8                            | CMK64GX4M8A2133C13           | DS    |            |                  | 13-15-15-28 | 1.2v    | v                     | v |     | v      |
| CORSAIR         | 8GB     | 1Rx8                            | CMV8GX4M1A2133C15-ESS        | SS    | Samsung    |                  | C15         | 1.2v    | v                     | v |     | v      |
| CORSAIR         | 8GB     | 2Rx8                            | CMD32GX4M4B2133C10           | DS    |            |                  | 10-12-12-31 | 1.35v   | v                     | v | v   | v      |
| CORSAIR         | 16GB    | 2Rx8                            | CMV16GX4M1A2133C15           | DS    |            |                  | C15         | 1.2v    | v                     | v |     | v      |
| CORSAIR         | 16GB    | 2Rx8                            | CMK32GX4M2A2133C13           | DS    |            |                  | 13-15-15-28 | 1.2v    | v                     | v |     | v      |
| CORSAIR         | 16GB    | 2Rx8                            | CMK128GX4M8A2133C13          | DS    |            |                  | 13-15-15-28 | 1.2v    | v                     | v | v   | v      |
| G.SKILL         | 4GB     | 1Rx8                            | F4-2133C15Q-16GRR            | SS    | Micron     |                  | 15-15-15-35 | 1.2v    | v                     | v |     | v      |
| G.SKILL         | 8GB     | 2Rx8                            | F4-2133C15Q-32GRR            | DS    | Micron     |                  | 15-15-15-35 | 1.2v    | v                     | v |     | v      |
| G.SKILL         | 8GB     | 1Rx8                            | F4-2133C15S-8GIS             | SS    |            |                  | 15-15-15-35 | 1.2v    | v                     | v |     | v      |
| CRUCIAL         | 4GB     | 1Rx8                            | CT4G4DFS8213.C8FAR1          | SS    | Micron     |                  | CL15        | 1.2v    | v                     | v |     | v      |
| CRUCIAL         | 4GB     | 1Rx8                            | CT4G4WFS8213.9FA1            | SS    | Micron     |                  | CL15        | 1.2v    | v                     | v |     | v      |
| CRUCIAL         | 4GB     | 1Rx8                            | CT4G4DFS8213.8FA2            | SS    | Micron     |                  |             | 1.2v    | v                     | v |     | v      |
| CRUCIAL         | 8GB     | 2Rx8                            | CT8G4WFD8213                 | DS    | Micron     |                  | CL15        | 1.2v    | v                     | v |     | v      |
| CRUCIAL         | 8GB     | 2Rx8                            | CT8G4DFD8213.16FA2           | DS    | Micron     |                  |             | 1.2v    | v                     | v |     | v      |
| CRUCIAL         | 8GB     | 2Rx8                            | CT8G4DFD8213.C16FAR11        | DS    | Micron     |                  |             | 1.2v    | v                     | v |     | v      |
| CRUCIAL         | 8GB     | 1Rx8                            | CT8G4DFS8213.8FB1            | SS    | Micron     |                  | CL15        | 1.2v    | v                     | v |     | v      |
| CRUCIAL         | 16GB    | 2Rx8                            | CT16G4DFD8213.16FB1          | DS    | Micron     |                  | CL15        | 1.2v    | v                     | v |     | v      |
| GEIL            | 4GB     | 1Rx8                            | GPR416GB2133C15QC            | SS    |            |                  | 15-15-15-36 | 1.2v    | v                     | v |     | v      |
| GLOWAY          | 4GB     | 1Rx8                            | 4G-2133                      | SS    |            |                  | 15-15-15-35 | 1.2v    | v                     | v |     | v      |
| Silicon POWER   | 4GB     | 1Rx8                            | SP004GBLFU213N01             | SS    | Samsung    |                  | CL15        | 1.2v    | v                     | v |     | v      |
| Silicon POWER   | 8GB     | 2Rx8                            | SP008GBLFU213N01             | DS    | Samsung    |                  | CL15        | 1.2v    | v                     | v |     | v      |
| KLEVV           | 4GB     | 1Rx8                            | KM4B4GX1N-2133-15-15-15-35-0 | SS    |            |                  | 15-15-15-35 | 1.2v    | v                     | v |     | v      |
| KLEVV           | 8GB     | 1Rx8                            | KM4B8GX1N-2133-15-15-15-35-0 | SS    |            |                  | 15-15-15-35 | 1.2v    | v                     | v |     | v      |
| KLEVV           | 16GB    | 2Rx8                            | KM4B16X1N-2133-15-15-15-35-0 | DS    |            |                  | 15-15-15-35 | 1.2v    | v                     | v |     | v      |
| Team            | 8GB     | 2Rx8                            | TED432G2133C15QC01           | DS    | SKhynix    | H5AN4G8NMFR 523V | 15-15-15-36 | 1.2v    | v                     | v |     | v      |
| Team            | 8GB     | 2Rx8                            | TPRD432G2133HC15QC01         | DS    | SKhynix    | H5AN4G8NMFR 523V | 15-15-15-36 | 1.2v    | v                     | v |     | v      |
| Team            | 8GB     | 2Rx8                            | TPD432G2133HC15QC01          | DS    | SKhynix    | H5AN4G8NMFR 523V | 15-15-15-36 | 1.2v    | v                     | v |     | v      |
| Team            | 8GB     | 2Rx8                            | TED416G2133C15DC01           | DS    | SKhynix    | H5AN4G8NMFR 523V | 15-15-15-36 | 1.2v    | v                     | v |     | v      |
| Team            | 8GB     | 2Rx8                            | TPRD416G2133HC15DC01         | DS    | SKhynix    | H5AN4G8NMFR 523V | 15-15-15-36 | 1.2v    | v                     | v |     | v      |
| Team            | 8GB     | 2Rx8                            | TPD416G2133HC15DC01          | DS    | SKhynix    | H5AN4G8NMFR 523V | 15-15-15-36 | 1.2v    | v                     | v |     | v      |
| Team            | 8GB     | 2Rx8                            | TED48G2133C1501              | DS    | SKhynix    | H5AN4G8NMFR 523V | 15-15-15-36 | 1.2v    | v                     | v |     | v      |
| Team            | 8GB     | 2Rx8                            | TPRD48G2133HC1501            | DS    | SKhynix    | H5AN4G8NMFR 523V | 15-15-15-36 | 1.2v    | v                     | v |     | v      |
| Team            | 8GB     | 2Rx8                            | TPD48G2133HC1501             | DS    | SKhynix    | H5AN4G8NMFR 523V | 15-15-15-36 | 1.2v    | v                     | v |     | v      |
| Team            | 16GB    | 2Rx8                            | TED464G2133C15QC01           | DS    | SKhynix    | H5AN4G8NMFR 523V | 15-15-15-36 | 1.2v    | v                     | v |     | v      |
| Team            | 16GB    | 2Rx8                            | TPRD464G2133HC15QC01         | DS    | SKhynix    | H5AN4G8NMFR 523V | 15-15-15-36 | 1.2v    | v                     | v |     | v      |
| Team            | 16GB    | 2Rx8                            | TPD464G2133HC15QC01          | DS    | SKhynix    | H5AN4G8NMFR 523V | 15-15-15-36 | 1.2v    | v                     | v |     | v      |
| Team            | 16GB    | 2Rx8                            | TED432G2133C15DC01           | DS    | SKhynix    | H5AN4G8NMFR 523V | 15-15-15-36 | 1.2v    | v                     | v |     | v      |
| Team            | 16GB    | 2Rx8                            | TPRD432G2133HC15DC01         | DS    | SKhynix    | H5AN4G8NMFR 523V | 15-15-15-36 | 1.2v    | v                     | v |     | v      |
| Team            | 16GB    | 2Rx8                            | TPD432G2133HC15DC01          | DS    | SKhynix    | H5AN4G8NMFR 523V | 15-15-15-36 | 1.2v    | v                     | v |     | v      |
| Team            | 16GB    | 2Rx8                            | TED416G2133C1501             | DS    | SKhynix    | H5AN4G8NMFR 523V | 15-15-15-36 | 1.2v    | v                     | v |     | v      |
| Team            | 16GB    | 2Rx8                            | TPRD416G2133HC1501           | DS    | SKhynix    | H5AN4G8NMFR 523V | 15-15-15-36 | 1.2v    | v                     | v |     | v      |
| Team            | 16GB    | 2Rx8                            | TPD416G2133HC1501            | DS    | SKhynix    | H5AN4G8NMFR 523V | 15-15-15-36 | 1.2v    | v                     | v |     | v      |
| Panram          | 8GB     | 1Rx8                            | PUD42133C158G2VS             | SS    |            |                  | CL15        | 1.2v    | v                     | v |     | v      |
| V-Color         | 8GB     | 1Rx8                            | TE48G21S815                  | SS    | SKhynix    |                  | CL15        | 1.2v    | v                     | v |     | v      |
| V-Color         | 8GB     | 1Rx8                            | TC48G21S815-IMS              | SS    |            |                  | CL15        | 1.2v    | v                     | v |     | v      |
| V-Color         | 16GB    | 2Rx8                            | TE416G21D815                 | DS    | SKhynix    |                  | CL15        | 1.2v    | v                     | v |     | v      |

• 2 DIMM: Supports one pair of modules inserted into the same color slots as one pair of Dual-channel memory configuration. Install the modules into **DDR4\_1**, **DDR4\_2** for better compatibility.  
 2 DIMM: 請將兩支記憶體模組安裝在同樣顏色記憶體插槽以啟動雙通道設定，並優先安裝在 **DDR4\_1**, **DDR4\_2** 插槽以確保更好的相容性

• When running XMP at **DDR4 2933 MHz or higher**, the system's stability depends on the CPU's capabilities.  
 當執行XMP至**DDR4 2933 MHz或更高**，系統的穩定性會依據CPU的效率而有所差異

• Memory modules listed as above is for reference only. Due to massive memory models in market, we can only verify some of them.  
 以下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 DDR4 slots.

若要安裝兩支或四支DDR4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。