

# PRIME B360-PLUS

## DDR4 3600+ Qualified Vendors List (QVL)

| Vendors  | Part No.                      | Size  | SS/DS | Chip Brand | Timing      | Voltage(V) | DIMM socket support (Optional) |        |        |
|----------|-------------------------------|-------|-------|------------|-------------|------------|--------------------------------|--------|--------|
|          |                               |       |       |            |             |            | 1 DIMM                         | 2 DIMM | 4 DIMM |
| G.SKILL  | F4-3600-C17Q-16GVK            | 4*4GB | SS    | N/A        | 17-18-18-38 | 1.35       | •                              | •      | •      |
| GALAXY   | HOF4CALCS3600K17LD162C        | 2*8GB | SS    | Samsung    | 17-18-18-38 | 1.35       | •                              | •      | •      |
| CORSAIR  | CMK16GX4M2B3600C18(Ver4.31)   | 2*8GB | SS    | Samsung    | 18-19-19-39 | 1.35       | •                              | •      | •      |
| CORSAIR  | CMD8GX4M2B3600C18 ( Ver4.24 ) | 2*4GB | SS    | Samsung    | 18-19-19-39 | 1.35       | •                              | •      | •      |
| CORSAIR  | CMD8GX4M2B3733C17 ( Ver4.24 ) | 2*4GB | SS    | N/A        | 17-19-19-39 | 1.35       | •                              | •      | •      |
| G.SKILL  | F4-3866C18Q-16GTZ             | 4*4GB | SS    | Samsung    | 18-22-22-42 | 1.35       | •                              | •      | •      |
| G.SKILL  | F4-4000C19D-8GTZ              | 2*4GB | SS    | Samsung    | 19-21-21-41 | 1.35       | •                              | •      | •      |
| G.SKILL  | F4-4000C19D-16GTZSW           | 2*8GB | SS    | Samsung    | 19-21-21-41 | 1.35       | •                              | •      | •      |
| G.SKILL  | F4-4266C19D-16GTZKW           | 2*8GB | SS    | Samsung    | 19-19-19-39 | 1.4        | •                              | •      | •      |
| G.SKILL  | F4-4600C19D-16GTZSWC          | 2*8GB | SS    | Samsung    | 19-23-23-43 | 1.5        | •                              | •      | •      |
| G.SKILL  | F4-4600C19D-16GTZKKA          | 2*8GB | SS    | Samsung    | 19-19-19-39 | 1.5        | •                              | •      | •      |
| GALAXY   | HOF4CXL1BSR3600K17LD162C      | 2*8GB | SS    | Samsung    | 17-18-18-38 | 1.35       | •                              | •      | •      |
| KINGSTON | HX436C17PB3K4/32              | 4*8GB | SS    | Samsung    | 17-18-18-39 | 1.35       | •                              | •      | •      |

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## DDR4 3400 Qualified Vendors List (QVL)

| Vendors | Part No.                        | Size   | SS/DS | Chip Brand | Timing      | Voltage(V) | DIMM socket support (Optional) |        |        |
|---------|---------------------------------|--------|-------|------------|-------------|------------|--------------------------------|--------|--------|
|         |                                 |        |       |            |             |            | 1 DIMM                         | 2 DIMM | 4 DIMM |
| GEIL    | GLWR416GB3400C16AQC             | 4*4GB  | SS    | N/A        | 16-18-18-36 | 1.35       | •                              | •      | •      |
| G.SKILL | F4-3400C16Q-16GRBD              | 4*4GB  | SS    | Samsung    | 16-18-18-38 | 1.35       | •                              | •      | •      |
| G.SKILL | F4-3466C16Q-16GVK               | 4*4GB  | SS    | N/A        | 16-18-18-38 | 1.35       | •                              | •      | •      |
| CORSAIR | CMD16GX4M4B3466C18 ( Ver4.23 )  | 4*4GB  | SS    | N/A        | 18-19-19-39 | 1.35       | •                              | •      | •      |
| G.SKILL | CMU32GX4M4C3400C16R ( Ver5.20 ) | 2*8GB  | DS    | Samsung    | 16-18-18-38 | 1.35       | •                              | •      | •      |
| PATRIOT | CMD32GX4M2B3466C16(Ver4.31)     | 2*4GB  | SS    | Samsung    | 17-18-18-36 | 1.35       | •                              | •      | •      |
| CORSAIR | CMU32GX4M4C3400C16R ( Ver5.20 ) | 4*8GB  | SS    | Samsung    | 16-18-18-36 | 1.35       | •                              | •      | •      |
| CORSAIR | CMD32GX4M2B3466C16(Ver4.31)     | 2*16GB | DS    | Samsung    | 16-18-18-36 | 1.35       | •                              | •      | •      |

## DDR4 3400 Qualified Vendors List (QVL)

| Vendors | Part No.                    | Size   | SS/DS | Chip Brand | Timing      | Voltage(V) | DIMM socket support (Optional) |        |        |
|---------|-----------------------------|--------|-------|------------|-------------|------------|--------------------------------|--------|--------|
|         |                             |        |       |            |             |            | 1 DIMM                         | 2 DIMM | 4 DIMM |
| CORSAIR | CMR16GX4M2C3466C16(Ver4.31) | 2*8GB  | SS    | Samsung    | 16-18-18-36 | 1.35       | •                              | •      | •      |
| G.SKILL | F4-3466C16Q2-64GTZ          | 8* 8GB | SS    | N/A        | 16-18-18-38 | 1.35       | •                              | •      | •      |

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### DDR4 3300 Qualified Vendors List (QVL)

| Vendors | Part No.                    | Size  | SS/DS | Chip Brand | Timing      | Voltage(V) | DIMM socket support (Optional) |        |        |
|---------|-----------------------------|-------|-------|------------|-------------|------------|--------------------------------|--------|--------|
|         |                             |       |       |            |             |            | 1 DIMM                         | 2 DIMM | 4 DIMM |
| ADATA   | AX4U3333W4G16-QGZ           | 4*8GB | SS    | N/A        | 16-16-16-36 | 1.35       | •                              | •      | •      |
| HyperX  | HX433C16PB3K2/16            | 2*8GB | SS    | N/A        | 16-18-18-36 | 1.35       | •                              | •      | •      |
| G.SKILL | F4-3300C16Q-16GRKD          | 4*4GB | SS    | Hynix      | 16-16-16-36 | 1.35       | •                              | •      | •      |
| CORSAIR | CMR32GX4M4C3333C16(Ver4.31) | 4*8GB | SS    | Samsung    | 16-18-18-35 | 1.35       | •                              | •      | •      |

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### DDR4 3200 Qualified Vendors List (QVL)

| Vendors | Part No.                    | Size   | SS/DS | Chip Brand | Timing      | Voltage(V) | DIMM socket support (Optional) |        |        |
|---------|-----------------------------|--------|-------|------------|-------------|------------|--------------------------------|--------|--------|
|         |                             |        |       |            |             |            | 1 DIMM                         | 2 DIMM | 4 DIMM |
| PANRAM  | PUD43200C164G4NJW           | 4* 4GB | SS    | N/A        | 16-18-18-39 | 1.35       | •                              | •      | •      |
| MUSHKIN | 997202F                     | 2*4GB  | SS    | N/A        | 15-15-15-36 | 1.2        | •                              | •      | •      |
| G.SKILL | F4-3200C16D-8GVKB           | 2*4GB  | SS    | Samsung    | 16-18-18-38 | 1.35       | •                              | •      | •      |
| APACER  | 78.BAGMD.AF20B              | 2*4GB  | SS    | Hynix      | 16-16-16-36 | 1.35       | •                              | •      | •      |
| HyperX  | HX432C16PB3K4/32            | 4*8GB  | SS    | Hynix      | 16-18-18-36 | 1.35       | •                              | •      | •      |
| ADATA   | AX4U3200W8G16-BGZ           | 8GB    | DS    | Samsung    | 16-16-16-36 | 1.35       | •                              | •      | •      |
| TEAM    | TFWD416G3200C16CBK          | 16GB   | DS    | Samsung    | 16-18-18-38 | 1.35       | •                              | •      |        |
| TEAM    | TFWD48G3200C16CBK           | 8GB    | DS    | Samsung    | 16-18-18-38 | 1.35       | •                              | •      |        |
| G.SKILL | F4-3200C16D-16GTZR          | 2*8GB  | SS    | N/A        | 18-18-18-38 | 1.35       | •                              | •      |        |
| G.SKILL | CMD32GX4M2C3200C16(Ver5.39) | 4*8GB  | SS    | Samsung    | 14-14-14-34 | 1.35       | •                              | •      | •      |
| CORSAIR | CMK16GX4M2B3200C16(Ver4.24) | 2*16GB | DS    | Hynix      | 16-18-18-36 | 1.35       | •                              | •      |        |
| CORSAIR | CMU16GX4M2C3200C16(Ver5.39) | 8*8GB  | SS    | N/A        | 16-18-18-36 | 1.35       | •                              | •      | •      |

## DDR4 3200 Qualified Vendors List (QVL)

| Vendors | Part No.                    | Size   | SS/DS | Chip Brand | Timing      | Voltage(V) | DIMM socket support (Optional) |        |        |
|---------|-----------------------------|--------|-------|------------|-------------|------------|--------------------------------|--------|--------|
|         |                             |        |       |            |             |            | 1 DIMM                         | 2 DIMM | 4 DIMM |
| Team    | CMD16GX4M2B3200C16(Ver3.21) | 8GB    | SS    | Hynix      | 16-18-18-38 | 1.35       | ●                              | ●      | ●      |
| Team    | CMK32GX4M2B3200C16(Ver5.39) | 8GB    | SS    | Hynix      | 16-18-18-38 | 1.35       | ●                              | ●      |        |
| CORSAIR | CMK64GX4M8B3200C16(Ver4.31) | 2*8GB  | DS    | Samsung    | 16-18-18-36 | 1.35       | ●                              | ●      |        |
| G.SKILL | CMK16GX4M2B3200C16(Ver4.24) | 2*8GB  | DS    | N/A        | 16-16-16-36 | 1.35       | ●                              | ●      |        |
| CORSAIR | CMU16GX4M2C3200C16(Ver5.39) | 2*8GB  | SS    | Hynix      | 16-18-18-36 | 1.35       | ●                              | ●      |        |
| G.SKILL | F4-3200C16S-8GRKB           | 8GB    | SS    | N/A        | 16-18-18-38 | 1.35       | ●                              | ●      | ●      |
| CORSAIR | CMU32GX4M2C3200C16(Ver5.39) | 2*16GB | DS    | Hynix      | 16-18-18-36 | 1.35       | ●                              | ●      |        |
| ADATA   | AX4U320038G16-BRS           | 8*8GB  | SS    | N/A        | 16-18-18-36 | 1.35       | ●                              | ●      | ●      |
| Hyper X | HX432C16PB3K2/16            | 2*8GB  | SS    | Hynix      | 16-18-18-36 | 1.35       | ●                              | ●      | ●      |
| TIGO    | TMKG8G3200C16.RGB           | 8GB    | SS    | N/A        | 16-18-18-38 | 1.35       | ●                              | ●      | ●      |

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## DDR4 3000 Qualified Vendors List (QVL)

| Vendors  | Part No.                       | Size   | SS/DS | Chip Brand | Timing      | Voltage(V) | DIMM socket support (Optional) |        |        |
|----------|--------------------------------|--------|-------|------------|-------------|------------|--------------------------------|--------|--------|
|          |                                |        |       |            |             |            | 1 DIMM                         | 2 DIMM | 4 DIMM |
| CORSAIR  | CMD32GX4M2B3000C15(Ver4.31)    | 2*16GB | DS    | N/A        | 15-17-17-35 | 1.35       | ●                              | ●      | ●      |
| KINGSTON | HX430C15PB2K4/16               | 4*4GB  | SS    | Hynix      | 15-15-15-36 | 1.35       | ●                              | ●      |        |
| G.SKILL  | F4-3000C15Q-16GRR              | 4*4GB  | SS    | Hynix      | 15-15-15-35 | 1.35       | ●                              | ●      | ●      |
| PANRAM   | PUD43000C154G4NJW              | 4*4GB  | SS    | N/A        | 15-17-17-35 | 1.35       | ●                              | ●      | ●      |
| KINGSTON | HX430C15SB2K4/32               | 4*8GB  | DS    | Hynix      | 15-15-15-36 | 1.35       | ●                              | ●      | ●      |
| AVEXIR   | AVD4UZ130001608G-4COB          | 4*8GB  | DS    | N/A        | 15-15-15-36 | 1.35       | ●                              | ●      | ●      |
| KINGSTON | HX430C15SBK2/16                | 2*8GB  | DS    | N/A        | 15-15-15-36 | 1.35       | ●                              | ●      | ●      |
| KLEVV    | IM44GU48A30-GIIHMC             | 4*4GB  | SS    | N/A        | 17-18-18-36 | 1.35       | ●                              | ●      | ●      |
| CORSAIR  | CMK16GX4M2B3000C15 ( Ver4.24 ) | 2*8GB  | DS    | Hynix      | 15-17-17-35 | 1.35       | ●                              | ●      |        |
| KINGSTON | HX430C15SB2K4/16               | 4*4GB  | SS    | Hynix      | 15-15-15-36 | 1.35       | ●                              | ●      |        |
| TEAM     | TDGED48G3000HC16ABK            | 2*8GB  | DS    | Hynix      | 16-16-16-36 | 1.35       | ●                              | ●      |        |
| G.SKILL  | F4-3000C15D-32GVR              | 2*16GB | DS    | N/A        | 15-15-15-35 | 1.35       | ●                              | ●      |        |
| CORSAIR  | CMK64GX4M4B3000C15 ( Ver4.31 ) | 4*16GB | DS    | Samsung    | 15-17-17-35 | 1.35       | ●                              | ●      | ●      |
| TEAM     | TCD48G300C16ABK                | 8GB    | SS    | Hynix      | 16-16-16-36 | 1.35       | ●                              |        |        |

## DDR4 3000 Qualified Vendors List (QVL)

| Vendors        | Part No.                           | Size          | SS/DS     | Chip Brand     | Timing             | Voltage(V)  | DIMM socket support (Optional) |        |        |
|----------------|------------------------------------|---------------|-----------|----------------|--------------------|-------------|--------------------------------|--------|--------|
|                |                                    |               |           |                |                    |             | 1 DIMM                         | 2 DIMM | 4 DIMM |
| <b>ADATA</b>   | <b>AX4U300038G16-DBZ</b>           | <b>8*8GB</b>  | <b>DS</b> | <b>Hynix</b>   | <b>16-18-18-36</b> | <b>1.35</b> | •                              | •      | •      |
| ADATA          | AX4U3000316G16-BGZ                 | 16GB          | DS        | N/A            | 16-18-18-36        | 1.35        | •                              | •      | •      |
| <b>CORSAIR</b> | <b>CMD16GX4M4B3000C15(Ver4.24)</b> | <b>4GB</b>    | <b>SS</b> | <b>Samsung</b> | <b>15-17-17-35</b> | <b>1.35</b> | •                              | •      | •      |
| CORSAIR        | CMU16GX4M2C3000C15 ( Ver4.31 )     | 8GB           | SS        | Samsung        | 15-17-17-35        | 1.35        | •                              | •      |        |
| <b>CORSAIR</b> | <b>CMK16GX4M4B3000C15(Ver3.21)</b> | <b>4GB</b>    | <b>SS</b> | <b>Micron</b>  | <b>15-17-17-35</b> | <b>1.35</b> | •                              | •      | •      |
| <b>G.SKILL</b> | <b>F4-3000C15Q-32GRK</b>           | <b>4*8GB</b>  | <b>DS</b> | <b>Samsung</b> | <b>15-15-15-35</b> | <b>1.35</b> | •                              | •      | •      |
| <b>CORSAIR</b> | <b>CMK8GX4M2B3000C15(Ver3.21)</b>  | <b>2*4GB</b>  | <b>SS</b> | <b>Micron</b>  | <b>15-17-17-35</b> | <b>1.35</b> | •                              | •      | •      |
| CORSAIR        | CMU32GX4M4C3000C15 ( Ver5.3 )      | 4*8GB         | DS        | Hynix          | 15-17-17-35        | 1.35        | •                              | •      | •      |
| <b>TEAM</b>    | <b>TFWD416G3000C16CBK</b>          | <b>16GB</b>   | <b>DS</b> | <b>Hynix</b>   | <b>16-18-18-38</b> | <b>1.35</b> | •                              | •      | •      |
| TEAM           | TFRD48G3000C16CBK                  | 8GB           | DS        | Samsung        | 16-18-18-38        | 1.35        | •                              | •      |        |
| <b>TEAM</b>    | <b>TCD44G3000C16CBK</b>            | <b>4GB</b>    | <b>SS</b> | <b>Hynix</b>   | <b>16-18-18-38</b> | <b>1.35</b> | •                              |        |        |
| Klevv          | IM4AGU88A30-FGGHMZ                 | 16GB          | DS        | Hynix          | 16-16-16-36        | 1.35        | •                              | •      |        |
| <b>Klevv</b>   | <b>IM48GU88A30-FGGHMZ</b>          | <b>8GB</b>    | <b>SS</b> | <b>Hynix</b>   | <b>16-16-16-36</b> | <b>1.35</b> | •                              | •      | •      |
| Klevv          | IM44GU48A30-FGGHAZ                 | 4GB           | SS        | Hynix          | 16-16-16-36        | 1.35        | •                              | •      | •      |
| <b>Klevv</b>   | <b>IM48GU88A30-FGGHMB</b>          | <b>8GB</b>    | <b>SS</b> | <b>Hynix</b>   | <b>16-16-16-36</b> | <b>1.35</b> | •                              | •      | •      |
| Klevv          | IM44GU48A30-FGGHAB                 | 4GB           | SS        | Hynix          | 16-16-16-36        | 1.35        | •                              | •      | •      |
| <b>Klevv</b>   | <b>IM4AGU88A30-FGGHMB</b>          | <b>16GB</b>   | <b>DS</b> | <b>Hynix</b>   | <b>16-16-16-36</b> | <b>1.35</b> | •                              | •      | •      |
| <b>CORSAIR</b> | <b>CMD16GX4M2B3000C15(Ver5.30)</b> | <b>2* 8GB</b> | <b>SS</b> | <b>Hynix</b>   | <b>15-17-17-35</b> | <b>1.35</b> | •                              | •      |        |
| <b>CORSAIR</b> | <b>CMD32GX4M4C3000C15(Ver5.30)</b> | <b>4* 8GB</b> | <b>SS</b> | <b>N/A</b>     | <b>15-17-17-35</b> | <b>1.35</b> | •                              | •      | •      |
| <b>FORZA</b>   | <b>NFMUD480E8-3000DH2A</b>         | <b>8GB</b>    | <b>SS</b> | <b>Hynix</b>   | <b>15-17-17-35</b> | <b>1.35</b> | •                              | •      | •      |
| <b>CORSAIR</b> | <b>CMR16GX4M2C3000C15(Ver4.31)</b> | <b>2* 8GB</b> | <b>SS</b> | <b>Hynix</b>   | <b>15-17-17-35</b> | <b>1.35</b> | •                              | •      |        |
| CORSAIR        | CMR32GX4M4C3000C15                 | 4* 8GB        | DS        | Hynix          | 15-17-17-35        | 1.35        | •                              | •      | •      |
| <b>Team</b>    | <b>TDRRD48G3000HC16CBK</b>         | <b>8GB</b>    | <b>DS</b> | <b>Samsung</b> | <b>16-18-18-38</b> | <b>1.35</b> | •                              | •      | •      |
| Team           | TDRGD48G3000HC16CBK                | 8GB           | DS        | Samsung        | 16-18-18-38        | 1.35        | •                              | •      | •      |
| <b>GALAXY</b>  | <b>HOF DDR4-3000</b>               | <b>2* 8GB</b> | <b>SS</b> | <b>Hynix</b>   | <b>16-18-18-38</b> | <b>1.35</b> | •                              | •      |        |
| GeIL           | GLR416GB3000C15ADC                 | 8GB           | SS        | Hynix          | 15-17-17-35        | 1.35        | •                              | •      | •      |
| <b>G.SKILL</b> | <b>F4-3000C15S-16GVR</b>           | <b>16GB</b>   | <b>DS</b> | <b>Hynix</b>   | <b>15-15-15-35</b> | <b>1.35</b> | •                              | •      |        |
| FORZA          | NMUD416E82-3000DB30                | 16GB          | DS        | Hynix          | 15-17-17-35        | 1.35        | •                              | •      | •      |
| <b>PATRIOT</b> | <b>PV432G300C6QK</b>               | <b>4* 8GB</b> | <b>SS</b> | <b>N/A</b>     | <b>16-16-16-36</b> | <b>1.35</b> | •                              | •      | •      |
| CRUCIAL        | BLT8G4D30AETA.K16FE                | 8GB           | DS        | Samsung        | 15-16-16-35        | 1.35        | •                              | •      |        |

## DDR4 3000 Qualified Vendors List (QVL)

| Vendors | Part No.                          | Size         | SS/DS | Chip Brand | Timing      | Voltage(V) | DIMM socket support (Optional) |        |        |
|---------|-----------------------------------|--------------|-------|------------|-------------|------------|--------------------------------|--------|--------|
|         |                                   |              |       |            |             |            | 1 DIMM                         | 2 DIMM | 4 DIMM |
| PATRIOT | PVE416G300C6KBL                   | 2* 8GB       | SS    | N/A        | 16-16-16-36 | 1.35       | ●                              | ●      | ●      |
| PATRIOT | PVE48G300C6KRD                    | 2*4GB        | SS    | N/A        | 16-16-16-36 | 1.35       | ●                              | ●      | ●      |
| G.SKILL | F4-3000C14Q2-128GVKD              | 8*16GB       | DS    | Samsung    | 14-14-14-34 | 1.35       | ●                              | ●      | ●      |
| Team    | TF3D48G3000HC16CBK                | 8GB          | SS    | Hynix      | 16-18-18-38 | 1.35       | ●                              | ●      | ●      |
| Team    | TF4D48G3000HC16CBK                | 8GB          | SS    | Hynix      | 16-18-18-38 | 1.35       | ●                              | ●      |        |
| GALAXY  | N/A                               | 2*8GB        | SS    | Hynix      | 16-18-18-38 | 1.35       | ●                              | ●      | ●      |
| TIGO    | TMKU8GF58-3000X                   | 8GB          | DS    | Samsung    | 16-18-18-36 | 1.35       | ●                              | ●      | ●      |
| CORSAIR | CMK16GX4M2B3000C15R ( Ver5.30 )   | 8GB*2        | SS    | Hynix      | 15-17-17-35 | 1.35       | ●                              |        |        |
| CORSAIR | CMK16GX4M2B3000C15R ( Ver3.32 )   | 8GB*2        | SS    | N/A        | 15-17-17-35 | 1.35       | ●                              | ●      |        |
| CORSAIR | CM4X8GD3000C15U4-CN(Ver.5.39)     | 8GB          | SS    | Hynix      | 15-17-17-35 | 1.35       | ●                              | ●      | ●      |
| ADATA   | AX4U300038G16-BRS                 | 8*8GB        | SS    | Hynix      | 16-18-18-36 | 1.35       | ●                              | ●      | ●      |
| ADATA   | AX4U300038G16-BBG                 | 8*8GB        | SS    | Hynix      | 16-18-18-36 | 1.35       | ●                              | ●      | ●      |
| Hyper X | HX430C15PB3/8<br>HX430C15PB3K2/16 | 8GB<br>2*8GB | SS    | N/A        | 15-17-17-36 | 1.35       | ●                              | ●      | ●      |
| TEKISM  | T4X3000B8G17-HY                   | 8GB          | DS    | N/A        | 17-17-17-36 | 1.35       | ●                              | ●      | ●      |
| CORSAIR | CMK16GX4M2B3000C15 ( Ver5.39 )    | 2*8GB        | SS    | N/A        | 15-17-17-35 | 1.35       | ●                              | ●      | ●      |
| G.SKILL | F4-3000C16D-16GTZR                | 2*8GB        | SS    | N/A        | 16-18-18-38 | 1.35       | ●                              | ●      |        |
| GALAXY  | GAM4IRL1BMR3000G16LD162C          | 2*8GB        | SS    | Micron     | 16-18-18-38 | 1.35       | ●                              | ●      | ●      |
| APACER  | ZD4-MO23000C16-08GAG              | 8GB          | SS    | Samsung    | 16-18-18-38 | 1.35       | ●                              | ●      | ●      |

## PRIME B360-PLUS

### DDR4 2800 Qualified Vendors List (QVL)

| Vendors  | Part No.                    | Size  | SS/DS | Chip Brand | Timing      | Voltage(V) | DIMM socket support (Optional) |        |        |
|----------|-----------------------------|-------|-------|------------|-------------|------------|--------------------------------|--------|--------|
|          |                             |       |       |            |             |            | 1 DIMM                         | 2 DIMM | 4 DIMM |
| CORSAIR  | CMK16GX4M4A2800C16(Ver5.29) | 4*4GB | SS    | N/A        | 16-18-18-36 | 1.2        | ●                              | ●      |        |
| KINGSTON | HX428C14PB2K4/16            | 4*4GB | SS    | Hynix      | 15-15-15-36 | 1.35       | ●                              | ●      | ●      |
| PATRIOT  | PX416G280C6QK               | 4*4GB | SS    | N/A        | 16-18-18-36 | 1.2        | ●                              | ●      | ●      |
| PANRAM   | PUD42800C164G4NJW           | 4*4GB | SS    | N/A        | 16-18-18-36 | 1.25       | ●                              | ●      |        |
| KINGSTON | HX428C14PBK4/32             | 4*8GB | DS    | Hynix      | 15-15-15-36 | 1.35       | ●                              | ●      |        |

## DDR4 2800 Qualified Vendors List (QVL)

| Vendors        | Part No.                       | Size         | SS/DS     | Chip Brand | Timing             | Voltage(V) | DIMM socket support (Optional) |        |        |
|----------------|--------------------------------|--------------|-----------|------------|--------------------|------------|--------------------------------|--------|--------|
|                |                                |              |           |            |                    |            | 1 DIMM                         | 2 DIMM | 4 DIMM |
| AVEXIR         | AVD4UZ128001608G-4COB          | 4*8GB        | DS        | N/A        | 15-15-15-36        | 1.2        | •                              | •      | •      |
| KINGSTON       | HX428C14SB2K4/32               | 4*8GB        | DS        | N/A        | 15-15-15-36        | 1.35       | •                              | •      | •      |
| KINGSTON       | HX428C14SB2K4/16               | 4*4GB        | SS        | Hynix      | 15-15-15-36        | 1.35       | •                              | •      |        |
| PATRIOT        | PV416G280C6QK                  | 4*4GB        | SS        | N/A        | 16-18-18-36        | 1.2        | •                              | •      |        |
| ADATA          | Digital Storm                  | 8GB          | DS        | Hynix      | 18-17-17-36        | 1.2        | •                              | •      |        |
| G.SKILL        | F4-2800C16D-16GRR              | 2*8GB        | SS        | Hynix      | 16-16-16-36        | 1.2        | •                              | •      |        |
| ADATA          | AX4U280038G17-SBF              | <b>8*8GB</b> | SS        | Hynix      | 18-17-17-36        | 1.2        | •                              | •      | •      |
| ADATA          | AX4U2800316G16-SBF             | 16GB         | DS        | Hynix      | 17-16-16-36        | 1.2        | •                              | •      |        |
| <b>CORSAIR</b> | CMD32GX4M4A2800C16 ( Ver5.20 ) | 8GB          | DS        | Hynix      | 16-18-18-36        | 1.2        | •                              | •      | •      |
| <b>G.SKILL</b> | F4-2800C14Q-64GVK              | 4*16GB       | DS        | Samsung    | 14-14-14-35        | 1.35       | •                              | •      |        |
| <b>G.SKILL</b> | F4-2800C16Q-32GVR              | 4*8GB        | SS        | Hynix      | 16-16-16-36        | 1.2        | •                              | •      | •      |
| <b>AVEXIR</b>  | AVD4UZ128001504G-4BZ1RR        | 4*4GB        | SS        | Samsung    | 15-15-15-35        | 1.35       | •                              | •      | •      |
| <b>AVEXIR</b>  | AVD4UZ128001508G-4BZ1RR        | <b>4*8GB</b> | DS        | Samsung    | 15-15-15-35        | 1.35       | •                              | •      | •      |
| <b>CORSAIR</b> | CMD16GX4M4A2800C16(Ver3.21)    | 4*4GB        | SS        | Micron     | 16-18-18-36        | 1.2        | •                              | •      | •      |
| <b>CORSAIR</b> | CMK64GX4M8B2800C14 ( Ver4.24 ) | 8*8GB        | DS        | Samsung    | 14-16-16-36        | 1.35       | •                              | •      | •      |
| TEAM           | TFWD416G2800C16CBK             | 16GB         | DS        | TEAM       | 16-18-18-38        | 1.2        | •                              | •      | •      |
| TEAM           | TFRD48G2800C16CBK              | 8GB          | DS        | Samsung    | 16-18-18-38        | 1.2        | •                              | •      | •      |
| TEAM           | TCD44G2800C16CBK               | 4GB          | SS        | Hynix      | 16-18-18-38        | 1.2        | •                              | •      | •      |
| <b>FORZA</b>   | <b>NFMUD416E8-2800EH2A</b>     | <b>16GB</b>  | <b>DS</b> | Hynix      | <b>17-17-17-36</b> | 1.2        | •                              | •      | •      |
| <b>FORZA</b>   | <b>NFMUD480E8-2800DH2A</b>     | <b>8GB</b>   | <b>SS</b> | N/A        | 17-17-17-36        | 1.2        | •                              | •      | •      |
| <b>ADATA</b>   | <b>AX4U2800W8G17-BRD</b>       | <b>8GB</b>   | <b>DS</b> | N/A        | 17-17-17-36        | 1.2        | •                              | •      | •      |
| <b>G.SKILL</b> | <b>F4-2800C15Q-32GVR</b>       | <b>4*8GB</b> | <b>SS</b> | Hynix      | 15-15-15-35        | 1.25       | •                              | •      | •      |
| <b>ADATA</b>   | <b>AX4U2800W4G17-BRZ</b>       | <b>2*4GB</b> | <b>SS</b> | Hynix      | 17-17-17-36        | 1.2        | •                              | •      |        |
| <b>ADATA</b>   | <b>AX4U280038G17-BWZ</b>       | <b>8GB</b>   | <b>SS</b> | Hynix      | 17-17-17-36        | 1.2        | •                              | •      |        |
| KINGMAX        | GLMG42F-18KIIA CJBR4           | 8GB          | SS        | KINGMAX    | 17-17-17-39        | 1.2        | •                              | •      | •      |

# PRIME B360-PLUS

## DDR4 2666 Qualified Vendors List (QVL)

| Vendors  | Part No.                       | Size   | SS/DS | Chip Brand | Timing      | Voltage(V) | DIMM socket support (Optional) |        |        |
|----------|--------------------------------|--------|-------|------------|-------------|------------|--------------------------------|--------|--------|
|          |                                |        |       |            |             |            | 1 DIMM                         | 2 DIMM | 4 DIMM |
| CORSAIR  | CMK16GX4M4A2666C16 ( Ver5.29 ) | 4*4GB  | SS    | N/A        | 16-18-18-35 | 1.2        | •                              | •      |        |
| G.SKILL  | F4-2666C15Q-16GRR              | 4*4GB  | SS    | Hynix      | 15-15-15-35 | 1.2        | •                              | •      |        |
| MUSHKIN  | 997192F                        | 2*4GB  | SS    | N/A        | 15-15-15-35 | 1.2        | •                              | •      |        |
| KINGSTON | HX426C13PBK4/32                | 4*8GB  | DS    | Hynix      | 15-15-15-36 | 1.35       | •                              | •      |        |
| KINGSTON | HX426C15FBK4/32                | 4*8GB  | DS    | Hynix      | 15-17-17-35 | 1.2        | •                              | •      | •      |
| CORSAIR  | CMD128GX4M8A2666C15            | 4*16GB | DS    | N/A        | 15-17-17-35 | 1.2        | •                              | •      | •      |
| KINGSTON | HX426C15FBK4/16                | 4*4GB  | SS    | Hynix      | 15-17-17-35 | 1.2        | •                              | •      |        |
| CRUCIAL  | BLE4G4D26AFEA.8FAD             | 4GB    | SS    | Micron     | 16-16-17-36 | 1.2        | •                              | •      | •      |
| CRUCIAL  | BLE8G4D26AFEA.16FAD            | 8GB    | DS    | Micron     | 16-17-17-36 | 1.2        | •                              | •      |        |
| AVEXIR   | AVD4UZ126661504G-4COB          | 4*4GB  | SS    | N/A        | 15-15-15-36 | 1.2        | •                              | •      | •      |
| AVEXIR   | AVD4UZ126661508G-4COB          | 4*8GB  | DS    | N/A        | 15-15-15-36 | 1.2        | •                              | •      |        |
| CRUCIAL  | BLT4G4D26AFTA.8FADG            | 4GB    | SS    | Micron     | 16-17-17-36 | 1.2        | •                              | •      |        |
| KLEVV    | IMA41GU6MFR8N-C F0             | 8GB    | DS    | N/A        | 15-15-15-35 | 1.2        | •                              | •      | •      |
| KINGSTON | HX426C13SB2K4/32               | 4*8GB  | DS    | Hynix      | 15-15-15-36 | 1.35       | •                              | •      |        |
| KINGSTON | HX426C13SB2K4/16               | 4*4GB  | SS    | Hynix      | 15-15-15-36 | 1.35       | •                              | •      |        |
| PNY      | MD16GK4D4266615AXR             | 4*4GB  | SS    | N/A        | 15-15-15-35 | 1.2        | •                              | •      | •      |
| AVEXIR   | AVD4UZ126661504G-4IPROG        | 4*4GB  | DS    | N/A        | 15-15-15-35 | 1.2        | •                              | •      | •      |
| AVEXIR   | AVD4UZ126661504G               | 2*4GB  | DS    | N/A        | 15-15-15-35 | 1.2        | •                              | •      |        |
| CORSAIR  | CMU32GX4M2A2666C16 ( Ver5.20 ) | 2*16GB | DS    | Samsung    | 16-18-18-35 | 1.2        | •                              | •      |        |
| CORSAIR  | CMK32GX4M4A2666C16(Ver3.20)    | 4*8GB  | DS    | N/A        | 16-18-18-35 | 1.2        | •                              | •      | •      |
| CORSAIR  | CMK16GX4M2A2666C16 ( Ver3.31 ) | 2*8GB  | SS    | Micron     | 16-18-18-35 | 1.2        | •                              | •      | •      |
| CORSAIR  | CMK32GX4M2A2666C16 ( Ver5.39 ) | 2*16GB | DS    | N/A        | 16-18-18-35 | 1.2        | •                              | •      | •      |
| CORSAIR  | CMK16GX4M4A2666C15 ( Ver5.20 ) | 4*4GB  | SS    | N/A        | 15-17-17-35 | 1.2        | •                              | •      | •      |
| CORSAIR  | CMK64GX4M4A2666C16 ( Ver5.3 )  | 4*16GB | DS    | Hynix      | 16-18-18-35 | 1.2        | •                              | •      |        |
| G.SKILL  | F4-2666C15Q-32GRR              | 4*8GB  | SS    | Hynix      | 15-15-15-35 | 1.2        | •                              | •      | •      |
| AVEXIR   | AVD4UZ126661704G-4COR          | 4*4GB  | SS    | Samsung    | 17-17-17-37 | 1.2        | •                              | •      | •      |
| AVEXIR   | AVD4UZ126661708G-4COR          | 4*8GB  | SS    | Hynix      | 17-17-17-37 | 1.2        | •                              | •      | •      |
| CORSAIR  | CMK32GX4M4A2666C15 ( Ver5.20 ) | 4*8GB  | DS    | Hynix      | 15-17-17-35 | 1.2        | •                              | •      | •      |

## DDR4 2666 Qualified Vendors List (QVL)

| Vendors | Part No.                     | Size   | SS/DS | Chip Brand | Timing      | Voltage(V) | DIMM socket support (Optional) |        |        |
|---------|------------------------------|--------|-------|------------|-------------|------------|--------------------------------|--------|--------|
|         |                              |        |       |            |             |            | 1 DIMM                         | 2 DIMM | 4 DIMM |
| TEAM    | TFRD4162666C15BBK            | 16GB   | DS    | Samsung    | 15-17-17-35 | 1.2        | •                              | •      |        |
| TEAM    | TFWD48G2666C15BBK            | 8GB    | DS    | Samsung    | 15-17-17-35 | 1.2        | •                              | •      | •      |
| TEAM    | TCD44G2666C15BBK             | 4GB    | SS    | Hynix      | 15-17-17-35 | 1.2        | •                              | •      | •      |
| HyperX  | HX426C15FBK2/16              | 2*8GB  | DS    | Micron     | 15-17-17-35 | 1.2        | •                              | •      |        |
| Klevv   | IM48GU88N26-FFFHMZ           | 8GB    | SS    | Hynix      | 15-15-15-35 | 1.2        | •                              | •      |        |
| Klevv   | IM44GU48N26-FFFHAZ           | 4GB    | SS    | Hynix      | 15-15-15-35 | 1.2        | •                              | •      | •      |
| CORSAIR | CMK16GX4M2A2666C16(Ver5.30)  | 8GB    | SS    | Hynix      | 16-18-18-35 | 1.2        | •                              | •      |        |
| ADATA   | AX4U2666W4G16-BRZ            | 4GB    | SS    | Hynix      | 16-16-16-39 | 1.2        | •                              | •      |        |
| ADATA   | AX4U2666W8G16-QRZ            | 4*8GB  | DS    | Hynix      | 16-16-16-39 | 1.2        | •                              | •      | •      |
| crucial | BLS8G4D26BFSC.16FBR2         | 8GB    | DS    | N/A        | 16-18-18-38 | 1.2        | •                              | •      | •      |
| crucial | BLS16G4D26BFSC.16FBD         | 16GB   | DS    | Micron     | 16-18-18-38 | 1.2        | •                              | •      | •      |
| crucial | BLS4G4D26BFSC.8FBR2          | 4GB    | SS    | N/A        | 16-18-18-38 | 1.2        | •                              | •      |        |
| CORSAIR | CMK128GX4M8A2666C16(Ver5.39) | 8*16GB | DS    | Hynix      | 16-18-18-36 | 1.2        | •                              | •      | •      |
| CORSAIR | CMR16GX4M2A2666C16(Ver5.30)  | 2*8GB  | SS    | Hynix      | 16-18-18-35 | 1.2        | •                              | •      |        |
| CORSAIR | CMR64GX4M8A2666C16(Ver5.30)  | 8* 8GB | SS    | N/A        | 16-18-18-35 | 1.2        | •                              | •      | •      |
| HyperX  | HX426C16FB2K4/64             | 4*16GB | DS    | Hynix      | 16-18-18-39 | 1.2        | •                              | •      | •      |
| G.SKILL | F4-2666C16Q2-64GRB           | 8*8GB  | SS    | Hynix      | 16-16-16-36 | 1.2        | •                              | •      | •      |
| HyperX  | HX426C15SBK8/128             | 8*16GB | DS    | N/A        | 15-16-16-35 | 1.2        | •                              | •      | •      |
| HyperX  | HX426C13PB3/8                | 4*8GB  | SS    | N/A        | 13-15-15-35 | 1.35       | •                              | •      |        |
| HyperX  | HX426C13PB3K2/16             | 4*8GB  | SS    | N/A        | 13-15-15-35 | 1.35       | •                              | •      |        |
| HyperX  | HX424C12PB3/8                | 4*8GB  | SS    | N/A        | 13-15-15-35 | 1.35       | •                              | •      |        |
| HyperX  | HX424C12PB3K2/16             | 4*8GB  | SS    | N/A        | 13-15-15-35 | 1.35       | •                              | •      |        |
| HyperX  | HX424C12PB3K4/32             | 4*8GB  | SS    | N/A        | 13-15-15-35 | 1.35       | •                              | •      |        |
| HyperX  | HX426C13PB3/16               | 4*16GB | DS    | Hynix      | 13-15-15-35 | 1.35       | •                              | •      | •      |
| HyperX  | HX426C13PB3K2/32             | 4*16GB | DS    | Hynix      | 13-15-15-35 | 1.35       | •                              | •      | •      |
| HyperX  | HX424C12PB3K4/64             | 4*16GB | DS    | Hynix      | 13-15-15-35 | 1.35       | •                              | •      | •      |
| HyperX  | HX424C12PB3/16               | 4*16GB | DS    | Hynix      | 13-15-15-35 | 1.35       | •                              | •      | •      |
| HyperX  | HX424C12PB3K2/32             | 4*16GB | DS    | Hynix      | 13-15-15-35 | 1.35       | •                              | •      | •      |
| CRUCIAL | BLS8G4D26BFSCK.8FBR          | 8GB    | SS    | Micron     | 16-18-18-38 | 1.2        | •                              | •      | •      |
| CRUCIAL | BLS8G4D26BFSCK.8FBD          | 8GB    | SS    | Micron     | 16-18-18-38 | 1.2        | •                              | •      | •      |

## DDR4 2666 Qualified Vendors List (QVL)

| Vendors | Part No.             | Size    | SS/DS | Chip Brand | Timing      | Voltage(V) | DIMM socket support (Optional) |        |        |
|---------|----------------------|---------|-------|------------|-------------|------------|--------------------------------|--------|--------|
|         |                      |         |       |            |             |            | 1 DIMM                         | 2 DIMM | 4 DIMM |
| MICRON  | MTA16ATF2G64AZ-2G6H1 | 16GB    | DS    | Hynix      | 19-19-19-43 | 1.2        | •                              | •      | •      |
| MICRON  | MTA8ATF1G64AZ-2G6H1  | 8GB     | SS    | Hynix      | 19-19-19-43 | 1.2        | •                              | •      | •      |
| TIGO    | TMKG8G868-2666N      | 8GB     | SS    | N/A        | 19-19-19-43 | 1.2        | •                              | •      |        |
| ADATA   | AX4U266638G16-BRS    | 8*8GB   | SS    | Hynix      | 16-16-16-39 | 1.2        | •                              | •      | •      |
| ADATA   | AD4U266638G19-B      | 8*8GB   | SS    | N/A        | 19-19-19-43 | 1.2        | •                              | •      | •      |
| ADATA   | AD4U2666316G19-B     | 16*16GB | DS    | N/A        | 19-19-19-43 | 1.2        | •                              | •      | •      |
| PANRAM  | W4U2666PS-16G        | 2*16GB  | DS    | Hynix      | 16-18-18-35 | 1.2        | •                              | •      | •      |
| PANRAM  | W4U2666PS-8G         | 2*8GB   | DS    | panram     | 16-18-18-35 | 1.2        | •                              | •      | •      |
| Team    | TPD416G2666HC19BK    | 16GB    | DS    | Micron     | 19-19-19-43 | 1.2        | •                              | •      | •      |
| Team    | TED416G2666C1901     | 16GB    | DS    | Micron     | 19-19-19-43 | 1.2        | •                              | •      | •      |
| Team    | TPRD416G2666HC1901   | 16GB    | DS    | Micron     | 19-19-19-43 | 1.2        | •                              | •      | •      |
| Team    | TPD416G2666HC1901    | 16GB    | DS    | Micron     | 19-19-19-43 | 1.2        | •                              | •      | •      |
| Team    | TED432G2666C19DC01   | 16GB    | DS    | Micron     | 19-19-19-43 | 1.2        | •                              | •      | •      |
| Team    | TPRD432G2666HC19DC01 | 16GB    | DS    | Micron     | 19-19-19-43 | 1.2        | •                              | •      | •      |
| Team    | TPD432G2666HC19DC01  | 16GB    | DS    | Micron     | 19-19-19-43 | 1.2        | •                              | •      | •      |
| Team    | TED464G2666C19OC01   | 16GB    | DS    | Micron     | 19-19-19-43 | 1.2        | •                              | •      | •      |
| Team    | TPRD464G2666HC19OC01 | 16GB    | DS    | Micron     | 19-19-19-43 | 1.2        | •                              | •      | •      |
| Team    | TPD464G2666HC19OC01  | 16GB    | DS    | Micron     | 19-19-19-43 | 1.2        | •                              | •      | •      |
| Team    | TPD48G2666HC19BK     | 8GB     | SS    | N/A        | 19-19-19-43 | 1.2        | •                              | •      | •      |
| Team    | TED48G2666C1901      | 8GB     | SS    | N/A        | 19-19-19-43 | 1.2        | •                              | •      | •      |
| Team    | TPRD48G2666HC1901    | 8GB     | SS    | N/A        | 19-19-19-43 | 1.2        | •                              | •      | •      |
| Team    | TPD48G2666HC1901     | 8GB     | SS    | N/A        | 19-19-19-43 | 1.2        | •                              | •      | •      |
| Team    | TED416G2666C19DC01   | 8GB     | SS    | N/A        | 19-19-19-43 | 1.2        | •                              | •      | •      |
| Team    | TPRD416G2666HC19DC01 | 8GB     | SS    | N/A        | 19-19-19-43 | 1.2        | •                              | •      | •      |
| Team    | TPD416G2666HC19DC01  | 8GB     | SS    | N/A        | 19-19-19-43 | 1.2        | •                              | •      | •      |
| Team    | TED432G2666C19OC01   | 8GB     | SS    | N/A        | 19-19-19-43 | 1.2        | •                              | •      | •      |
| Team    | TPRD432G2666HC19OC01 | 8GB     | SS    | N/A        | 19-19-19-43 | 1.2        | •                              | •      | •      |
| Team    | TPD432G2666HC19OC01  | 8GB     | SS    | N/A        | 19-19-19-43 | 1.2        | •                              | •      | •      |
| Team    | TPD44G2666HC19BK     | 4GB     | SS    | N/A        | 19-19-19-43 | 1.2        | •                              | •      | •      |
| Team    | TED44G2666C1901      | 4GB     | SS    | N/A        | 19-19-19-43 | 1.2        | •                              | •      | •      |

## DDR4 2666 Qualified Vendors List (QVL)

| Vendors | Part No.                     | Size     | SS/DS | Chip Brand | Timing      | Voltage(V) | DIMM socket support (Optional) |        |        |
|---------|------------------------------|----------|-------|------------|-------------|------------|--------------------------------|--------|--------|
|         |                              |          |       |            |             |            | 1 DIMM                         | 2 DIMM | 4 DIMM |
| Team    | TPRD44G2666HC1901            | 4GB      | SS    | N/A        | 19-19-19-43 | 1.2        | •                              | •      | •      |
| Team    | TPD44G2666HC1901             | 4GB      | SS    | N/A        | 19-19-19-43 | 1.2        | •                              | •      | •      |
| Team    | TED48G2666C19DC01            | 4GB      | SS    | N/A        | 19-19-19-43 | 1.2        | •                              | •      | •      |
| Team    | TPRD48G2666HC19DC01          | 4GB      | SS    | N/A        | 19-19-19-43 | 1.2        | •                              | •      | •      |
| Team    | TPD48G2666HC19DC01           | 4GB      | SS    | N/A        | 19-19-19-43 | 1.2        | •                              | •      | •      |
| Team    | TED416G2666C19OC01           | 4GB      | SS    | N/A        | 19-19-19-43 | 1.2        | •                              | •      | •      |
| Team    | TPRD416G2666HC19OC01         | 4GB      | SS    | N/A        | 19-19-19-43 | 1.2        | •                              | •      | •      |
| Team    | TPD416G2666HC19OC01          | 4GB      | SS    | N/A        | 19-19-19-43 | 1.2        | •                              | •      | •      |
| Hyper X | HX426C13PB3K4/64             | 4 * 16GB | DS    | -          | 13-15-15-35 | 1.35       | •                              | •      | •      |
| Hyper X | HX426C13SB2/4                | 4GB      | SS    | -          | 15-15-15-36 | 1.35       | •                              | •      |        |
| Hyper X | HX426C13SB2/8                | 8GB      | DS    | -          | 15-15-15-36 | 1.35       | •                              | •      |        |
| Hyper X | HX426C13SB2K2/16             | 2 * 8GB  | DS    | -          | 15-15-15-36 | 1.35       | •                              | •      |        |
| Hyper X | HX426C13SB2K2/8              | 2 * 4GB  | SS    | -          | 15-15-15-36 | 1.35       | •                              | •      |        |
| Hyper X | HX426C15FB/4                 | 4GB      | SS    | -          | 15-17-17-35 | 1.2        | •                              | •      |        |
| Hyper X | HX426C15FB/8                 | 8GB      | DS    | -          | 15-17-17-35 | 1.2        | •                              | •      |        |
| Hyper X | HX426C15FBK2/8               | 2 * 4GB  | SS    | -          | 15-17-17-35 | 1.2        | •                              | •      |        |
| Hyper X | HX426C15SBK4/64              | 4 * 16GB | DS    | -          | 15-15-15-35 | 1.2        | •                              | •      | •      |
| Hyper X | HX426C16FB/16                | 16GB     | DS    | -          | 16-18-18-39 | 1.2        | •                              | •      |        |
| Hyper X | HX426C16FB2/8                | 8GB      | SS    | -          | 16-18-18-39 | 1.2        | •                              | •      |        |
| Hyper X | HX426C16FB2K2/16             | 2 * 8GB  | SS    | -          | 16-18-18-39 | 1.2        | •                              | •      |        |
| Hyper X | HX426C16FB2K4/32             | 4 * 8GB  | SS    | -          | 16-18-18-39 | 1.2        | •                              | •      | •      |
| Hyper X | HX426C16FBK2/32              | 2 * 16GB | DS    | -          | 16-18-18-39 | 1.2        | •                              | •      |        |
| Hyper X | HX426C16FBK4/64              | 4 * 16GB | DS    | -          | 16-18-18-39 | 1.2        | •                              | •      | •      |
| Hyper X | HX426C16FW/16                | 16GB     | DS    | -          | 16-18-18-39 | 1.2        | •                              | •      |        |
| Hyper X | HX426C16FWK2/32              | 2 * 16GB | DS    | -          | 16-18-18-39 | 1.2        | •                              | •      |        |
| Hyper X | HX426C16FWK4/64              | 4 * 16GB | DS    | -          | 16-18-18-39 | 1.2        | •                              | •      | •      |
| CORSAIR | CMD128GX4M8A2666C15(Ver4.31) | 8 * 16GB | DS    | -          | 15-15-15-36 | 1.2        | •                              | •      | •      |
| CORSAIR | CMD16GX4M2A2666C15(Ver4.23)  | 2 * 8GB  | DS    | -          | 15-17-17-35 | 1.2        | •                              | •      |        |
| CORSAIR | CMD16GX4M4A2666C15(Ver4.23)  | 4 * 4GB  | SS    | -          | 15-17-17-35 | 1.2        | •                              | •      | •      |
| CORSAIR | CMD16GX4M4A2666C16(Ver4.23)  | 4 * 4GB  | SS    | -          | 16-18-18-35 | 1.2        | •                              | •      | •      |

## DDR4 2666 Qualified Vendors List (QVL)

| Vendors | Part No.                     | Size     | SS/DS | Chip Brand | Timing      | Voltage(V) | DIMM socket support (Optional) |        |        |
|---------|------------------------------|----------|-------|------------|-------------|------------|--------------------------------|--------|--------|
|         |                              |          |       |            |             |            | 1 DIMM                         | 2 DIMM | 4 DIMM |
| CORSAIR | CMD16GX4M4A2666C16(Ver5.29)  | 4 * 4GB  | SS    | -          | 16-18-18-35 | 1.2        | •                              | •      | •      |
| CORSAIR | CMD32GX4M4A2666C15(Ver4.23)  | 4 * 8GB  | DS    | -          | 15-17-17-35 | 1.2        | •                              | •      | •      |
| CORSAIR | CMD32GX4M4A2666C15(Ver5.29)  | 4 * 8GB  | DS    | -          | 15-17-17-35 | 1.2        | •                              | •      | •      |
| CORSAIR | CMD32GX4M4A2666C16(Ver4.23)  | 4 * 8GB  | DS    | -          | 16-18-18-35 | 1.2        | •                              | •      | •      |
| CORSAIR | CMD64GX4M8A2666C15(Ver4.23)  | 8 * 8GB  | DS    | -          | 15-17-17-35 | 1.2        | •                              | •      | •      |
| CORSAIR | CMD64GX4M8A2666C15(Ver4.24)  | 8 * 8GB  | DS    | -          | 15-15-15-36 | 1.2        | •                              | •      | •      |
| CORSAIR | CMD8GX4M2A2666C15(Ver4.23)   | 2 * 4GB  | DS    | -          | 15-17-17-35 | 1.2        | •                              | •      |        |
| CORSAIR | CMK128GX4M8A2666C16(Ver3.32) | 8 * 16GB | DS    | -          | 16-18-18-35 | 1.2        | •                              | •      | •      |
| CORSAIR | CMK16GX4M2A2666C16(Ver5.29)  | 2 * 8GB  | DS    | -          | 16-18-18-35 | 1.2        | •                              | •      |        |
| CORSAIR | CMK16GX4M2D2666C16(Ver4.21)  | 2 * 8GB  | DS    | -          | 16-18-18-35 | 1.2        | •                              | •      |        |
| CORSAIR | CMK16GX4M4A2666C15(Ver4.23)  | 4 * 4GB  | SS    | -          | 15-17-17-35 | 1.2        | •                              | •      | •      |
| CORSAIR | CMK16GX4M4A2666C15(Ver5.29)  | 4 * 4GB  | SS    | -          | 15-15-15-36 | 1.2        | •                              | •      | •      |
| CORSAIR | CMK16GX4M4A2666C16(Ver3.21)  | 4 * 4GB  | SS    | -          | 16-18-18-35 | 1.2        | •                              | •      | •      |
| CORSAIR | CMK16GX4M4A2666C16(Ver4.23)  | 4 * 4GB  | SS    | -          | 16-18-18-35 | 1.2        | •                              | •      | •      |
| CORSAIR | CMK16GX4M4A2666C16(Ver5.29)  | 4 * 4GB  | SS    | -          | 16-18-18-35 | 1.2        | •                              | •      | •      |
| CORSAIR | CMK32GX4M2A2666C16(Ver4.31)  | 2 * 16GB | DS    | -          | 16-18-18-35 | 1.2        | •                              | •      |        |
| CORSAIR | CMK32GX4M2A2666C16R(Ver3.31) | 2 * 16GB | DS    | -          | 15-15-15-36 | 1.2        | •                              | •      |        |
| CORSAIR | CMK32GX4M4A2666C15(Ver4.23)  | 4 * 8GB  | DS    | -          | 15-17-17-35 | 1.2        | •                              | •      | •      |
| CORSAIR | CMK32GX4M4A2666C15(Ver5.29)  | 4 * 8GB  | DS    | -          | 15-17-17-35 | 1.2        | •                              | •      |        |
| CORSAIR | CMK32GX4M4A2666C16(Ver3.21)  | 4 * 8GB  | DS    | -          | 16-18-18-35 | 1.2        | •                              | •      | •      |
| CORSAIR | CMK32GX4M4A2666C16(Ver5.29)  | 4 * 8GB  | DS    | -          | 16-16-18-35 | 1.2        | •                              | •      |        |
| CORSAIR | CMK32GX4M4A2666C16(Ver5.30)  | 4 * 8GB  | SS    | -          | 16-18-18-35 | 1.2        | •                              | •      | •      |
| CORSAIR | CMK32GX4M4A2666C16R(Ver4.23) | 4 * 8GB  | DS    | -          | 16-18-18-35 | 1.2        | •                              | •      | •      |
| CORSAIR | CMK64GX4M4A2666C16(Ver3.31)  | 4 * 16GB | DS    | -          | 16-18-18-35 | 1.2        | •                              | •      | •      |
| CORSAIR | CMK64GX4M4A2666C16(Ver4.31)  | 4 * 16GB | DS    | -          | 15-15-15-36 | 1.2        | •                              | •      | •      |
| CORSAIR | CMK8GX2M2D2666C16(Ver3.21)   | 2 * 4GB  | SS    | -          | 16-18-18-35 | 1.2        | •                              | •      |        |
| CORSAIR | CMK8GX4M2A2666C16(Ver3.22)   | 2 * 4GB  | SS    | -          | 16-18-18-35 | 1.2        | •                              | •      |        |
| CORSAIR | CMK8GX4M2D2666C16(Ver3.11)   | 2 * 4GB  | DS    | -          | 16-18-18-35 | 1.2        | •                              | •      |        |
| CORSAIR | CMU32GX4M4A2666C16(Ver5.30)  | 4 * 8GB  | SS    | -          | 16-18-18-35 | 1.2        | •                              | •      | •      |
| CORSAIR | CMV16GX4M1A2666C18           | 16GB     | DS    | -          | 18-18-18-43 | 1.2        | •                              | •      |        |

**DDR4 2666 Qualified Vendors List (QVL)**

| Vendors | Part No.          | Size | SS/DS | Chip Brand | Timing      | Voltage(V) | DIMM socket support (Optional) |        |        |
|---------|-------------------|------|-------|------------|-------------|------------|--------------------------------|--------|--------|
|         |                   |      |       |            |             |            | 1 DIMM                         | 2 DIMM | 4 DIMM |
| CORSAIR | CMV4GX4M1A2666C18 | 4GB  | SS    | -          | 18-18-18-43 | 1.2        | •                              | •      |        |
| CORSAIR | CMV8GX4M1A2666C18 | 8GB  | SS    | -          | 18-18-18-43 | 1.2        | •                              | •      |        |

# PRIME B360-PLUS

**DDR4 2400 Qualified Vendors List (QVL)**

| Vendors  | Part No.                        | Size   | SS/DS | Chip Brand | Timing      | Voltage(V) | DIMM socket support (Optional) |        |        |
|----------|---------------------------------|--------|-------|------------|-------------|------------|--------------------------------|--------|--------|
|          |                                 |        |       |            |             |            | 1 DIMM                         | 2 DIMM | 4 DIMM |
| ADATA    | AX4U2400W8G16-DRZ               | 8GB    | DS    | N/A        | 17-16-16-39 | 1.2        | •                              | •      |        |
| G.SKILL  | F4-2400C15Q-32GRB               | 4*8GB  | DS    | N/A        | 15-15-15-35 | 1.2        | •                              | •      | •      |
| PATRIOT  | PX416G240C5QK                   | 4*4GB  | SS    | N/A        | 15-15-15-35 | 1.2        | •                              | •      | •      |
| GLOWAY   | PC4-19200                       | 4GB    | DS    | GLOWAY     | 16-16-16-35 | 1.2        | •                              | •      |        |
| PANRAM   | PUD42400C154G4NJW               | 4*4GB  | SS    | N/A        | 15-15-15-35 | 1.2        | •                              | •      |        |
| PANRAM   | PUD42400C158G4NJW               | 4*8GB  | DS    | N/A        | 15-15-15-35 | 1.2        | •                              | •      |        |
| CRUCIAL  | BLS4K4G4D240FSA                 | 4GB    | SS    | Micron     | 16-16-16-39 | 1.2        | •                              | •      |        |
| ADATA    | AX4U2400W4G16-DRZ               | 4GB    | SS    | Hynix      | 17-16-16-39 | 1.2        | •                              | •      |        |
| GEIL     | GPR416GB2400C15QC               | 4GB    | SS    | N/A        | 15-15-15-35 | 1.2        | •                              | •      | •      |
| MUSHKIN  | 997199F                         | 2*8GB  | DS    | N/A        | 15-15-15-35 | 1.2        | •                              | •      | •      |
| KINGSTON | HX424C15FBK4/32                 | 4*8GB  | DS    | Hynix      | 15-15-15-35 | 1.2        | •                              | •      |        |
| APACER   | 78.C1GMA.AF30B                  | 8G     | DS    | Hynix      | 16-16-16-36 | 1.2        | •                              | •      |        |
| PNY      | MD16GK2D4240015AB               | 2*8GB  | DS    | N/A        | 15-15-15-35 | 1.2        | •                              | •      | •      |
| G.SKILL  | F4-2400C15D-169GVR              | 2*8GB  | DS    | N/A        | 15-15-15-35 | 1.2        | •                              | •      | •      |
| APACER   | AHU08GGB24CDT7G                 | 8GB    | DS    | Hynix      | 16-16-16-36 | 1.2        | •                              | •      | •      |
| CORSAIR  | CM4X8GE2400C14K4-CN ( Ver4.24 ) | 8GB    | DS    | N/A        | 14-16-16-31 | 1.2        | •                              | •      |        |
| CORSAIR  | CMK8GX4M1A2400C14(Ver3.20)      | 8GB    | DS    | N/A        | 14-16-16-31 | 1.2        | •                              | •      |        |
| PATRIOT  | PV416G240C5QK                   | 4*4GB  | SS    | N/A        | 15-15-15-35 | 1.2        | •                              | •      | •      |
| KINGSTON | HX424C15FBK4/16                 | 4*4GB  | SS    | Hynix      | 15-15-15-35 | 1.2        | •                              | •      |        |
| G.SKILL  | F4-2400C14Q2-128GRK             | 8*16GB | DS    | Samsung    | 14-14-14-34 | 1.2        | •                              | •      |        |
| G.SKILL  | F4-2400C14Q-16GRK               | 4*4GB  | SS    | Hynix      | 14-14-14-34 | 1.2        | •                              | •      | •      |
| G.SKILL  | F4-2400C15Q-16GRR               | 4*4GB  | SS    | Samsung    | 15-15-15-35 | 1.2        | •                              | •      | •      |

## DDR4 2400 Qualified Vendors List (QVL)

| Vendors  | Part No.                        | Size   | SS/DS | Chip Brand | Timing      | Voltage(V) | DIMM socket support (Optional) |        |        |
|----------|---------------------------------|--------|-------|------------|-------------|------------|--------------------------------|--------|--------|
|          |                                 |        |       |            |             |            | 1 DIMM                         | 2 DIMM | 4 DIMM |
| AVEXIR   | AVD4UZ124001608G-4COR           | 4*8GB  | DS    | N/A        | 16-16-16-36 | 1.2        | •                              | •      | •      |
| AVEXIR   | AVD4UZ124001604G-4COB           | 4*4GB  | SS    | N/A        | 16-16-16-36 | 1.2        | •                              | •      | •      |
| CRUCIAL  | BLS8G4D240FSA.16FADG            | 8GB    | DS    | Micron     | 16-16-16-39 | 1.2        | •                              | •      |        |
| KINGSTON | HX424C12PBK4/32                 | 4*8GB  | DS    | Hynix      | 12-13-13-35 | 1.35       | •                              | •      | •      |
| G.SKILL  | F4-2400C15Q-32GRR               | 4*8GB  | DS    | N/A        | 15-15-15-35 | 1.2        | •                              | •      | •      |
| CORSAIR  | CM4X8GE2400C16K4-CN ( Ver5.20 ) | 8GB    | DS    | Hynix      | 16-16-16-39 | 1.2        | •                              | •      | •      |
| LEORICE  | DDR4/2400MHZ/CL15/1.2V          | 4*8GB  | SS    | N/A        | 15-15-15-35 | 1.2        | •                              | •      | •      |
| CORSAIR  | CMD32GX4M4A2400C14 ( Ver4.23 )  | 4*8GB  | DS    | N/A        | 14-16-16-31 | 1.2        | •                              | •      | •      |
| AMD      | R748G2400U2S                    | 8GB    | DS    | N/A        | 15-15-15-36 | 1.2        | •                              | •      |        |
| MICRON   | MTA16ATF2G64AZ-2G3B1            | 16GB   | DS    | Micron     | 17-17-17-39 | 1.2        | •                              | •      |        |
| MICRON   | MTA8ATF1G64AZ-2G3B1             | 8GB    | SS    | Micron     | 17-17-17-39 | 1.2        | •                              | •      | •      |
| KINGSTON | HX424C12SB2K4/16                | 4*4GB  | SS    | Hynix      | 12-14-14-35 | 1.35       | •                              | •      | •      |
| KINGSTON | HX424C12SB2K4/32                | 4*8GB  | DS    | Hynix      | 12-14-14-35 | 1.35       | •                              | •      |        |
| KINGSTON | HX424C15FBK2/16                 | 2*8GB  | DS    | Hynix      | 15-15-15-35 | 1.2        | •                              | •      |        |
| GALAXY   | GAM4BXLBS240016JE164C           | 4*4GB  | SS    | N/A        | 16-16-16-36 | 1.2        | •                              | •      | •      |
| APACER   | AH08GGB24CDT5H                  | 2*8GB  | DS    | N/A        | 16-16-16-36 | 1.2        | •                              | •      | •      |
| CORSAIR  | CMK8GX4M2A2400C14(Ver3.28)      | 2* 4GB | SS    | N/A        | 14-16-16-31 | 1.2        | •                              | •      | •      |
| CORSAIR  | CMK16GX4M2A2400C14              | 2*8GB  | DS    | N/A        | 14-16-16-31 | 1.2        | •                              | •      |        |
| AVEXIR   | AVD4UZ124001608G-1COB           | 8GB    | DS    | N/A        | 16-16-16-36 | 1.2        | •                              | •      | •      |
| AVEXIR   | AVD4U24001608G-1BW              | 8GB    | DS    | N/A        | 16-16-16-36 | 1.2        | •                              | •      | •      |
| APACER   | AU08GGB24CETBGC                 | 8GB    | DS    | APACER     | 17-17-17-39 | 1.2        | •                              | •      |        |
| AVEXIR   | AVD4UZ124001608G-2COR           | 2*8GB  | DS    | N/A        | 16-16-16-36 | 1.2        | •                              | •      | •      |
| V-COLOR  | 8GTC48G24S817-IMS               | 4*8GB  | SS    | V-COLOR    | 17-17-17-39 | 1.2        | •                              | •      | •      |
| CORSAIR  | CMD32GX4M4A2400C12 ( Ver5.20 )  | 4*8GB  | DS    | Hynix      | 12-14-14-28 | 1.2        | •                              | •      |        |
| G.SKILL  | F4-2400C15Q-64GIS               | 4*16GB | DS    | Micron     | 15-15-15-35 | 1.2        | •                              | •      |        |
| CRUCIAL  | BLS8G4D240FSB.16FARG            | 4*8GB  | DS    | Micron     | 16-16-16-39 | 1.2        | •                              | •      |        |
| GEIL     | GLW416GB2400C15DC               | 8GB    | SS    | Hynix      | 15-15-15-35 | 1.2        | •                              | •      | •      |
| TEAM     | TDTRD48G2400HC15ABK             | 8GB    | SS    | N/A        | 15-15-15-35 | 1.2        | •                              | •      | •      |
| TEAM     | TDRED48G2400HC14BK              | 8GB    | DS    | Hynix      | 14-16-16-31 | 1.2        | •                              | •      |        |
| GEIL     | GRP416GB2400C16DC               | 8GB    | SS    | Micron     | 16-16-16-36 | 1.2        | •                              | •      |        |

## DDR4 2400 Qualified Vendors List (QVL)

| Vendors  | Part No.                     | Size    | SS/DS | Chip Brand | Timing      | Voltage(V) | DIMM socket support (Optional) |        |        |
|----------|------------------------------|---------|-------|------------|-------------|------------|--------------------------------|--------|--------|
|          |                              |         |       |            |             |            | 1 DIMM                         | 2 DIMM | 4 DIMM |
| ADATA    | AX4U2400W8G16-BRZ            | 8GB     | DS    | N/A        | 17-16-16-39 | 1.2        | •                              | •      | •      |
| KINGSTON | HX424C15FB/16                | 16GB    | DS    | Micron     | 15-15-15-35 | 1.2        | •                              | •      | •      |
| CRUCIAL  | BLS8G4D240FSC.16FARG         | 8GB     | DS    | Micron     | 16-16-16-39 | 1.2        | •                              | •      |        |
| CORSAIR  | CMK32GX4M2A2400C14(Ver3.31)  | 2*16GB  | DS    | Micron     | 14-16-16-31 | 1.2        | •                              | •      |        |
| GALAXY   | GAM4HFL1BM2400D15IE08IC      | 8G      | DS    | N/A        | 15-15-15-35 | 1.2        | •                              | •      |        |
| CORSAIR  | CMK32GX4M4A2400C16R(Ver3.31) | 4*8GB   | SS    | Micron     | 16-16-16-39 | 1.2        | •                              | •      | •      |
| CORSAIR  | CMD16GX4M4B2400C10           | 4*4GB   | SS    | Hynix      | 10-12-12-28 | 1.35       | •                              | •      | •      |
| MUSHKIN  | 997199T                      | 2*8GB   | SS    | N/A        | 15-15-15-35 | 1.2        | •                              | •      | •      |
| GEIL     | 8G2133C151.2V                | 8GB     | DS    | Hynix      | 14-16-16-35 | 1.2        | •                              | •      |        |
| TEAM     | TED416G2400C16BK             | 16GB    | DS    | Micron     | 16-16-16-39 | 1.2        | •                              | •      |        |
| TIGO     | TMKU8GF28-2400U              | 8GB     | DS    | N/A        | 17-17-17-39 | 1.2        | •                              | •      | •      |
| APACER   | AU08GGB24CEYBGC              | 8GB     | SS    | Hynix      | 17-17-17-39 | 1.2        | •                              | •      |        |
| KINGSTON | HX424C12SB2K2/16             | 16G     | DS    | Hynix      | 12-14-14-35 | 1.35       | •                              | •      |        |
| GLOWAY   | PC4-19200                    | 8GB     | SS    | N/A        | 15-15-15-35 | 1.2        | •                              | •      | •      |
| ADATA    | AX4U240038G16-BWZ            | 8*8GB   | SS    | Hynix      | 17-16-16-39 | 1.2        | •                              | •      | •      |
| ADATA    | AX4U2400316G16-SBF           | 16*16GB | DS    | Hynix      | 17-16-16-39 | 1.2        | •                              | •      | •      |
| AVEXIR   | AVD4UZ124001608G-4COR        | 4*8GB   | SS    | Micron     | 16-16-16-36 | 1.2        | •                              | •      | •      |
| AVEXIR   | AVD4UZ124001604G-4COR        | 4*4GB   | SS    | Micron     | 16-16-16-36 | 1.2        | •                              | •      | •      |
| KINGSTON | TF24D4U7S8MB-8               | 8GB     | SS    | Micron     | 17-17-17-39 | 1.2        | •                              | •      |        |
| KINGSTON | TF24D4U7S1MBD-2              | 2GB     | SS    | Micron     | 17-17-17-39 | 1.2        | •                              | •      | •      |
| KINGSTON | TF24D4U7S8MBD-4              | 4GB     | SS    | Micron     | 17-17-17-39 | 1.2        | •                              | •      |        |
| RAMAXEL  | RMUA5120MB86H9F-2400         | 4GB     | SS    | Micron     | 17-17-17-39 | 1.2        | •                              | •      | •      |
| RAMAXEL  | RMUA5120MB76H8F-2400         | 2GB     | SS    | Micron     | 17-17-17-39 | 1.2        | •                              | •      | •      |
| V-COLOR  | TC48G24S817                  | 8GB     | SS    | V-COLOR    | 17-17-17-39 | 1.2        | •                              | •      | •      |
| ADATA    | AX4U240038G16-SBF            | 8*8GB   | SS    | Hynix      | 17-17-17-39 | 1.2        | •                              | •      | •      |
| ADATA    | AX4U2400W8G16-DRD            | 8GB     | DS    | Hynix      | 17-17-17-39 | 1.2        | •                              | •      | •      |
| ADATA    | AX4U2400316G16-DRD           | 16GB    | DS    | Hynix      | 17-17-17-39 | 1.2        | •                              | •      | •      |
| G.SKILL  | F4-2400C15Q2-64GRK           | 8*8GB   | SS    | Hynix      | 15-15-15-35 | 1.2        | •                              | •      | •      |
| TEAM     | TCD48G2400C14BK              | 8GB     | SS    | Micron     | 14-16-16-31 | 1.2        | •                              | •      | •      |
| TEAM     | TED44G2400C16BK              | 4GB     | SS    | Micron     | 16-16-16-39 | 1.2        | •                              | •      |        |

## DDR4 2400 Qualified Vendors List (QVL)

| Vendors | Part No.                     | Size   | SS/DS | Chip Brand | Timing      | Voltage(V) | DIMM socket support (Optional) |        |        |
|---------|------------------------------|--------|-------|------------|-------------|------------|--------------------------------|--------|--------|
|         |                              |        |       |            |             |            | 1 DIMM                         | 2 DIMM | 4 DIMM |
| CRUCIAL | BLS16G4D240FSE.16FAD         | 16GB   | DS    | Micron     | 16-16-16-39 | 1.2        | •                              | •      | •      |
| CRUCIAL | BLS4G4D240FSA.8FARG          | 4GB    | SS    | Micron     | 16-16-16-39 | 1.2        | •                              | •      |        |
| PATRIOT | PV48G240C5                   | 8GB    | DS    | N/A        | 15-15-15-35 | 1.2        | •                              | •      | •      |
| TEAM    | TFWD416G2400C15BBK           | 16GB   | DS    | TEAM       | 15-17-17-35 | 1.2        | •                              | •      |        |
| TEAM    | TFRD48G2400C15ABK            | 8GB    | SS    | Hynix      | 15-15-15-35 | 1.2        | •                              | •      |        |
| TEAM    | TFRD44G2400C15ABK            | 4GB    | SS    | Hynix      | 15-15-15-35 | 1.2        | •                              | •      |        |
| Klevv   | IM44GU48N24-FFFHAZ           | 4GB    | SS    | Hynix      | 15-15-15-35 | 1.2        | •                              | •      | •      |
| Klevv   | IM4AGU88N24-FFFHMZ           | 16GB   | DS    | Hynix      | 15-15-15-35 | 1.2        | •                              | •      |        |
| Klevv   | IM48GU88N24-FFFHMZ           | 8GB    | SS    | Hynix      | 15-15-15-35 | 1.2        | •                              | •      | •      |
| Klevv   | IM4AGU88N24-FFFHMB           | 16GB   | DS    | Hynix      | 15-15-15-35 | 1.2        | •                              | •      | •      |
| Klevv   | IM48GU88N24-FFFHMB           | 8GB    | SS    | Hynix      | 15-15-15-35 | 1.2        | •                              | •      | •      |
| Klevv   | IM44GU48N24-FFFHAB           | 4GB    | SS    | Hynix      | 15-15-15-35 | 1.2        | •                              | •      |        |
| GEIL    | GPR432GB2400C16QC            | 8GB    | SS    | Micron     | 16-16-16-36 | 1.2        | •                              | •      |        |
| G.SKILL | F4-2400C15D-16GTZR           | 8GB    | SS    | Hynix      | 15-15-15-35 | 1.2        | •                              | •      | •      |
| G.SKILL | F4-2400C15Q-64GFX            | 4*16GB | DS    | Hynix      | 15-15-15-39 | 1.2        | •                              | •      | •      |
| G.SKILL | F4-2400C15Q-32GFX            | 4*8GB  | SS    | Hynix      | 15-15-15-39 | 1.2        | •                              | •      |        |
| G.SKILL | F4-2400C16Q-64GFX            | 4*16GB | DS    | Hynix      | 16-16-16-39 | 1.2        | •                              | •      | •      |
| G.SKILL | F4-2400C16Q-32GFX            | 4*8GB  | SS    | Hynix      | 16-16-16-39 | 1.2        | •                              | •      | •      |
| CORSAIR | CMK16GX4M2Z2400C16(Ver3.31)  | 2* 8GB | SS    | Micron     | 16-16-16-18 | 1.2        | •                              | •      |        |
| CORSAIR | CMK128GX4M8A2400C14(Ver5.30) | 8*16GB | DS    | Hynix      | 14-16-16-31 | 1.2        | •                              | •      | •      |
| AMD     | R744G2400U1S                 | 4GB    | SS    | N/A        | 15-15-15-36 | 1.2        | •                              |        |        |
| CORSAIR | CMK128GX4M8A2400C14(Ver5.30) | 8*16GB | DS    | Hynix      | 14-16-16-31 | 1.2        | •                              | •      | •      |
| CORSAIR | CMK16GX4M2Z2400C16(Ver3.31)  | 2*8GB  | SS    | Micron     | 16-16-16-39 | 1.2        | •                              | •      |        |
| GeIL    | GFR416GB2400C16S             | 16GB   | SS    | Micron     | 16-16-16-36 | 1.2        | •                              | •      |        |
| GeIL    | GFR432GB2400C16D             | 16GB   | SS    | Micron     | 16-16-16-36 | 1.2        | •                              | •      | •      |
| HyperX  | HX424C15FB2K4/32             | 4*8GB  | SS    | Hynix      | 15-15-15-35 | 1.2        | •                              | •      | •      |
| GLOWAY  | STK4U2400D17081C             | 8GB    | DS    | Micron     | 17-17-17-39 | 1.2        | •                              |        |        |
| GLOWAY  | STK4U2400D17081C             | 8GB    | SS    | Micron     | 17-17-17-39 | 1.2        | •                              | •      | •      |
| GLOWAY  | STK4U2400D17161C             | 16GB   | SS    | Micron     | 17-17-17-39 | 1.2        | •                              | •      | •      |
| PATRIOT | PSD48G240081                 | 8GB    | SS    | SEC 710    | 17-17-17-39 | 1.2        | •                              | •      | •      |

## DDR4 2400 Qualified Vendors List (QVL)

| Vendors  | Part No.                   | Size  | SS/DS | Chip Brand | Timing      | Voltage(V) | DIMM socket support (Optional) |        |        |
|----------|----------------------------|-------|-------|------------|-------------|------------|--------------------------------|--------|--------|
|          |                            |       |       |            |             |            | 1 DIMM                         | 2 DIMM | 4 DIMM |
| PATRIOT  | PSD44G240081               | 4GB   | SS    | SEC 707    | 16-16-16-39 | 1.2        | •                              | •      | •      |
| PATRIOT  | PSD416G24002               | 16GB  | DS    | SEC 707    | 17-17-17-39 | 1.2        | •                              | •      | •      |
| PATRIOT  | PV432G240C5QK              | 4*8GB | SS    | N/A        | 15-15-15-35 | 1.2        | •                              | •      | •      |
| PATRIOT  | PVE48G240C5KRD             | 2*4GB | SS    | N/A        | 15-15-15-35 | 1.2        | •                              | •      | •      |
| PATRIOT  | PVE416G240C5KBL            | 2*8GB | SS    | N/A        | 15-15-15-35 | 1.2        | •                              | •      | •      |
| SAMSUNG  | M378A2K43CB1-CRC           | 16GB  | DS    | Samsung    | 17-17-17-39 | 1.2        | •                              | •      | •      |
| Crucial  | CT8G4DFS824A.C8FBD1        | 8GB   | SS    | Micron     | 17-17-17-39 | 1.2        | •                              | •      | •      |
| ADATA    | AD4X240038G17-BP           | 8*8GB | SS    | SpecTek    | 17-17-17-39 | 1.2        | •                              | •      | •      |
| APACER   | AHU08GGB24CDU7S            | 8GB   | SS    | N/A        | 16-16-16-36 | 1.2        | •                              | •      |        |
| Crucial  | BLS8G4D240FSC.16FBR2       | 8GB   | DS    | Micron     | 16-16-16-39 | 1.2        | •                              | •      | •      |
| Asgard   | VML41UG-MIC1U22ZG          | 8GB   | SS    | Micron     | 17-17-17-39 | 1.2        | •                              | •      | •      |
| KINGMAX  | GLLF62F-DAKZIG CLBU        | 4GB   | SS    | N/A        | 17-17-17-39 | 1.2        | •                              | •      | •      |
| KINGMAX  | GLLH22F-18KIIA CFBU2       | 16GB  | DS    | N/A        | 17-17-17-39 | 1.2        | •                              | •      | •      |
| KINGMAX  | GLLG42F-D8KBI A CFDU       | 8GB   | DS    | KINGMAX    | 17-17-17-39 | 1.2        | •                              | •      | •      |
| GEIL     | GP44GB2400C16SC            | 4GB   | SS    | Micron     | 17-16-16-36 | 1.2        | •                              | •      |        |
| Kingston | KVR24N17S8/4               | 4GB   | SS    | Micron     | 17-17-17-39 | 1.2        | •                              | •      |        |
| CRUCIAL  | BLS16G4D240FSC.16FBR       | 16GB  | DS    | Micron     | 16-16-16-39 | 1.2        | •                              | •      | •      |
| CRUCIAL  | BLS8G4D240FSC.8FBD         | 8GB   | SS    | Micron     | 16-16-16-39 | 1.2        | •                              | •      | •      |
| CRUCIAL  | CT8G4DFD824A.C16FBD2       | 8GB   | DS    | Micron     | 17-17-17-39 | 1.2        | •                              | •      | •      |
| CRUCIAL  | CT16G4DFD824A.C16FHD1      | 16GB  | DS    | Micron     | 17-17-17-39 | 1.2        | •                              | •      | •      |
| ADATA    | AX4U240038G16-BRZ          | 8*8GB | SS    | Hynix      | 17-16-16-39 | 1.2        | •                              | •      |        |
| G.SKILL  | F4-2400C15S-8GNT           | 8GB   | SS    | Hynix      | 15-15-15-35 | 1.2        | •                              | •      | •      |
| Crucial  | CT8G4DFS824A.C8FHD1        | 8GB   | SS    | Micron     | 17-17-17-39 | 1.2        | •                              | •      | •      |
| APACER   | AU08GGB24CEYBGH            | 8GB   | SS    | N/A        | 17-17-17-39 | 1.2        | •                              | •      | •      |
| GALAXY   | GAMER D4-2400 8G C16 紅燈    | 8GB   | DS    | Hynix      | 16-16-16-36 | 1.2        | •                              | •      | •      |
| GALAXY   | GAMER D4-2400 8G C16 綠燈    | 8GB   | DS    | Hynix      | 16-16-16-36 | 1.2        | •                              | •      | •      |
| GALAXY   | GAMER III DDR4-2400 8G C16 | 8GB   | SS    | Micron     | 16-16-16-36 | 1.2        | •                              | •      | •      |
| Ramsta   | R2DD4N04G2400              | 4GB   | SS    | Micron     | 16-16-16-39 | 1.2        | •                              | •      | •      |
| Ramsta   | R2DD4N16G2400              | 16GB  | SS    | Micron     | 17-17-17-39 | 1.2        | •                              | •      | •      |
| Ramsta   | R2DD4N08G2400              | 8GB   | DS    | Micron     | 17-17-17-39 | 1.2        | •                              | •      |        |

## DDR4 2400 Qualified Vendors List (QVL)

| Vendors       | Part No.             | Size | SS/DS | Chip Brand | Timing      | Voltage(V) | DIMM socket support (Optional) |        |        |
|---------------|----------------------|------|-------|------------|-------------|------------|--------------------------------|--------|--------|
|               |                      |      |       |            |             |            | 1 DIMM                         | 2 DIMM | 4 DIMM |
| TIGO          | TMKU8G868-2400U      | 8GB  | SS    | Micron     | 16-16-16-39 | 1.2        | •                              | •      | •      |
| HyperX        | HX424C15FB/4         | 4GB  | SS    | Micron     | 15-15-15-35 | 1.2        | •                              | •      | •      |
| CRUCIAL       | BLS8G4D240FSE.16FBR2 | 8GB  | DS    | Micron     | 16-16-16-39 | 1.2        | •                              | •      | •      |
| APACER        | AHU08GGB24CDU7G      | 8GB  | SS    | Micron     | 16-16-16-36 | 1.2        | •                              | •      |        |
| GEIL          | GASB416GB2400C16QC   | 4GB  | SS    | Micron     | 16-16-16-36 | 1.2        | •                              | •      | •      |
| GEIL          | GASB432GB2400C16QC   | 8GB  | SS    | N/A        | 16-16-16-36 | 1.2        | •                              | •      | •      |
| TIGO          | TMKU8G868-2400U      | 8GB  | SS    | Hynix      | 17-17-17-39 | 1.2        | •                              | •      | •      |
| TIGO          | TMKG8G868-2400U      | 8GB  | SS    | N/A        | 16-16-16-39 | 1.2        | •                              | •      | •      |
| APACER        | AU16GGB24CEYBGC      | 16GB | DS    | APACER     | 17-17-17-39 | 1.2        | •                              | •      | •      |
| GEIL          | GLS48GB2400C16DC     | 4GB  | SS    | N/A        | 17-16-16-36 | 1.2        | •                              | •      |        |
| GLOWAY        | TYP8U2400E17042C     | 8GB  | SS    | Micron     | 17-17-17-39 | 1.2        | •                              | •      | •      |
| Asgard        | VML41UG-MEC1U2BQ1    | 8GB  | SS    | N/A        | 17-17-17-39 | 1.2        | •                              | •      | •      |
| silicon power | SP008GBLFU240B02     | 8GB  | SS    | Hynix      | 17-17-17-39 | 1.2        | •                              | •      | •      |
| GeIL          | GLS48GB2400C16DC     | 4GB  | SS    | Micron     | 17-16-16-36 | 1.2        | •                              | •      | •      |
| TIGO          | TMKU4G456-2400U      | 4GB  | SS    | TIGO       | 17-17-17-39 | 1.2        | •                              | •      | •      |
| TIGO          | TMKUFGF68-2400U      | 16GB | DS    | TIGO       | 17-17-17-39 | 1.2        | •                              | •      | •      |
| G.SKILL       | F4-2400C17S-8GNX     | 8GB  | DS    | N/A        | 17-17-17-39 | 1.2        | •                              | •      | •      |
| HYUNDAI       | HYE4G24C17           | 4GB  | SS    | Hynix      | 17-17-17-39 | 1.2        | •                              | •      | •      |
| HYUNDAI       | HYE8G24C17           | 8GB  | SS    | Hynix      | 17-17-17-39 | 1.2        | •                              | •      | •      |
| Apacer        | AU16GGB24CEYBGH      | 16GB | DS    | Micron     | 17-17-17-39 | 1.2        | •                              | •      | •      |
| MAXSUN        | MSD44G24Q3           | 4GB  | DS    | Samsung    | 17-17-17-39 | 1.2        | •                              | •      | •      |
| MAXSUN        | MSD48G24Q3           | 8GB  | DS    | Micron     | 17-17-17-39 | 1.2        | •                              | •      | •      |
| TECLAST       | TLD44G24A30          | 4GB  | DS    | Micron     | 17-17-17-39 | 1.2        | •                              | •      | •      |
| TECLAST       | TLD48G24A30          | 8GB  | SS    | Micron     | 17-17-17-39 | 1.2        | •                              | •      | •      |
| Kingson       | KVR24N17S8/80-SP     | 8GB  | SS    | Micron     | 17-17-17-39 | 1.2        | •                              | •      | •      |

# PRIME B360-PLUS

## DDR4 2133 Qualified Vendors List (QVL)

| Vendors  | Part No.                       | Size   | SS/DS | Chip Brand   | Timing      | Voltage ( V ) | DIMM socket support (Optional) |        |        |
|----------|--------------------------------|--------|-------|--------------|-------------|---------------|--------------------------------|--------|--------|
|          |                                |        |       |              |             |               | 1 DIMM                         | 2 DIMM | 4 DIMM |
| SAMSUNG  | M378A5143DB0--CPB              | 4GB    | SS    | Samsung      | 15-15-15-36 | 1.2           | •                              | •      | •      |
| SAMSUNG  | M378A1G43DB0--CPB              | 8GB    | DS    | SEC 428 BCPB | 15-15-15-36 | 1.2           | •                              | •      | •      |
| G.SKILL  | F4-2133C15Q-32GRK              | 4*8GB  | DS    | Samsung      | 15-15-15-35 | 1.2           | •                              | •      | •      |
| GLOWAY   | PC4-17000                      | 4GB    | SS    | N/A          | 15-15-15-35 | 1.2           | •                              | •      |        |
| KINGSTON | HX421C13PBK4/16                | 4*4GB  | SS    | Hynix        | 15-15-15-36 | 1.2           | •                              | •      | •      |
| PANRAM   | PUD42133C138G4NJW              | 4*8GB  | DS    | N/A          | 13-13-13-35 | 1.2           | •                              | •      |        |
| PANRAM   | PUD42133C134G4NJW              | 4*4GB  | SS    | N/A          | 13-13-13-35 | 1.2           | •                              | •      | •      |
| CORSAIR  | CMK16GX4M4A2133C15(Ver4.23)    | 4*4GB  | SS    | N/A          | 15-15-15-36 | 1.2           | •                              | •      | •      |
| CRUCIAL  | MTA8ATF51264AZ-2G1A1           | 4GB    | SS    | Micron       | 15-15-15-36 | 1.2           | •                              | •      | •      |
| CORSAIR  | CMV4GX4M1A2133C15              | 4GB    | SS    | N/A          | 15-15-15-36 | 1.2           | •                              | •      |        |
| KINGSTON | HX421C14FB/8                   | 8GB    | DS    | Hynix        | 14-14-14-35 | 1.2           | •                              | •      |        |
| APACER   | 78.C1GM3.AF10B                 | 8GB    | DS    | Hynix        | 16-16-16-36 | 1.2           | •                              |        | •      |
| KINGSTON | HX421C13SBK4/16                | 4*4GB  | SS    | Hynix        | 15-15-15-36 | 1.2           | •                              | •      | •      |
| KINGSTON | KVR21N15D8/8                   | 8GB    | DS    | Hynix        | 15-15-15-36 | 1.2           | •                              | •      |        |
| GALAXY   | GAM4DBLBM213315IE081C          | 8GB    | DS    | N/A          | 15-15-15-35 | 1.2           | •                              | •      |        |
| AVEXIR   | AVD4U21331508G-1C0B            | 8GB    | DS    | N/A          | 15-15-15-35 | 1.2           | •                              | •      | •      |
| CORSAIR  | CMK16GX4M4A2133C13 ( Ver5.29 ) | 4*4GB  | SS    | N/A          | 13-15-15-28 | 1.2           | •                              | •      | •      |
| GEIL     | GPR48GB2133C15DC               | 2*4GB  | SS    | Micron       | 15-15-15-36 | 1.2           | •                              | •      | •      |
| KINGSTON | HX421C14FBK4/32                | 4*8GB  | DS    | Hynix        | 14-14-14-35 | 1.2           | •                              | •      | •      |
| TEKISM   | T4U2133B8G15-SAD               | 8GB    | DS    | SEC 446 BCPB | 15-15-15-36 | 1.2           | •                              | •      | •      |
| G.SKILL  | F4-2133C15Q-16GRB              | 4*4GB  | SS    | Samsung      | 15-15-15-35 | 1.2           | •                              | •      | •      |
| CENTURY  | PC4-17000                      | 8GB    | DS    | Hynix        | 15-15-15-36 | 1.2           | •                              | •      | •      |
| ADATA    | AX4U2133W4G15-QRZ              | 4*4GB  | SS    | N/A          | 15-15-15-36 | 1.2           | •                              | •      | •      |
| TEAM     | TED48GM2133C15BK               | 8GB    | DS    | Hynix        | 15-15-15-36 | 1.2           | •                              | •      | •      |
| ADATA    | AD4U2133W8G15-B                | 16*8GB | DS    | Hynix        | 15-15-15-36 | 1.2           | •                              | •      | •      |
| CRUCIAL  | CT8G4DFD8213.16FA11            | 4*8GB  | DS    | Micron       | 15-15-15-36 | 1.2           | •                              | •      |        |
| G.SKILL  | F4-2133C15S-4GNT               | 4GB    | SS    | Hynix        | 15-15-15-35 | 1.2           | •                              | •      |        |
| G.SKILL  | F4-2133C15S-8GNT               | 8GB    | DS    | Hynix        | 15-15-15-35 | 1.2           | •                              | •      | •      |

## DDR4 2133 Qualified Vendors List (QVL)

| Vendors  | Part No.              | Size  | SS/DS | Chip Brand | Timing      | Voltage ( V ) | DIMM socket support (Optional) |        |        |
|----------|-----------------------|-------|-------|------------|-------------|---------------|--------------------------------|--------|--------|
|          |                       |       |       |            |             |               | 1 DIMM                         | 2 DIMM | 4 DIMM |
| TEAM     | TPAD44G2133HC15BK     | 4GB   | SS    | Samsung    | 15-15-15-36 | 1.2           | •                              | •      |        |
| APACER   | AHU08GGB13CGT7G       | 8GB   | DS    | Hynix      | 16-16-16-36 | 1.2           | •                              | •      |        |
| ASINT    | SLB404G08-CCN2B 1615  | 8GB   | DS    | Hynix      | 15-15-15-36 | 1.2           | •                              | •      |        |
| PATRIOT  | PSD48G21332           | 8GB   | DS    | PAIROT     | 15-15-15-36 | 1.2           | •                              | •      |        |
| APACER   | AU08GGB13CDTBGC       | 8GB   | DS    | APACER     | 16-16-16-36 | 1.2           | •                              | •      |        |
| SAMSUNG  | M378A1K43BB1-CPB      | 8GB   | SS    | Samsung    | 15-15-15-36 | 1.2           | •                              | •      |        |
| KINGSTON | HX421C14FB2/8         | 8GB   | SS    | Micron     | 14-14-14-35 | 1.2           | •                              | •      |        |
| KINGSTON | HX421C14FBK2/8        | 2*4GB | SS    | Micron     | 14-14-14-35 | 1.2           | •                              | •      |        |
| KINGSTON | HX421C14FB/4          | 4GB   | SS    | Hynix      | 14-14-14-35 | 1.2           | •                              | •      |        |
| V-COLOR  | TC48G21S818-IMS       | 4*8GB | SS    | Micron     | 15-15-15-36 | 1.2           | •                              | •      |        |
| TEAM     | TED416G2133C15BK      | 16GB  | DS    | Micron     | 15-15-15-36 | 1.2           | •                              | •      |        |
| SAMSUNG  | M378A5143EB1-CPB      | 4GB   | SS    | Samsung    | 15-15-15-36 | 1.2           | •                              | •      |        |
| TEAM     | TED48G2133C15BK       | 8GB   | SS    | SpecTek    | 15-15-15-36 | 1.2           | •                              | •      |        |
| ANUCELL  | GRPIF1621033818594    | 8GB   | DS    | ANUCELL    | 16-16-16-35 | 1.2           | •                              | •      | •      |
| Xiede    | 1.2V-PC4-17000-1620   | 4GB   | SS    | Micron     | 15-15-15-36 | 1.2           | •                              | •      |        |
| Xiede    | 1.2V-PC4-17000-1620   | 8GB   | DS    | Hynix      | 15-15-15-36 | 1.2           | •                              | •      |        |
| V-COLOR  | TC48G21S815           | 8GB   | SS    | Hynix      | 15-15-15-36 | 1.2           | •                              | •      |        |
| V-COLOR  | TC48G21S815-iMS       | 8GB   | SS    | Micron     | 15-15-15-36 | 1.2           | •                              | •      | •      |
| SAMSUNG  | M378A2K43BB1CPB       | 16GB  | DS    | SEC510     | 15-15-15-36 | 1.2           | •                              | •      | •      |
| G.SKILL  | F4-2133C15Q-32GRR     | 4*8GB | SS    | N/A        | 15-15-15-35 | 1.2           | •                              | •      | •      |
| G.SKILL  | F4-2133C15Q2-64GRR    | 8*8GB | SS    | Hynix      | 15-15-15-35 | 1.2           | •                              | •      | •      |
| CRUCIAL  | CT16G4DFD8213.C16FAD1 | 16GB  | DS    | Micron     | 15-15-15-36 | 1.2           | •                              | •      |        |
| CRUCIAL  | CT8G4DFD8213.C16FDR2  | 8GB   | DS    | Micron     | 15-15-15-36 | 1.2           | •                              | •      | •      |
| CRUCIAL  | CT4G4DFS8213.C8FBD2   | 4GB   | SS    | Micron     | 15-15-15-36 | 1.2           | •                              | •      | •      |
| GEIL     | GFY48GB2133C15DC      | 4GB   | SS    | N/A        | 15-15-15-36 | 1.2           | •                              | •      | •      |
| Klevv    | IM48GU88N21-FFFHMB    | 8GB   | SS    | Hynix      | 15-15-15-35 | 1.2           | •                              | •      | •      |
| Klevv    | IM44GU48N21-FFFHAB    | 4GB   | SS    | Hynix      | 15-15-15-35 | 1.2           | •                              | •      | •      |
| Klevv    | IM4AGU88N21-FFFHMB    | 16GB  | DS    | Hynix      | 15-15-15-35 | 1.2           | •                              | •      | •      |
| GEIL     | GPR432GB2133C15QC     | 8GB   | SS    | Micron     | 15-15-15-36 | 1.2           | •                              | •      | •      |
| SK HYNIX | HMA451U6AFR8N-TF      | 4*4GB | SS    | Hynix      | 15-15-15-36 | 1.2           | •                              | •      | •      |

## DDR4 2133 Qualified Vendors List (QVL)

| Vendors       | Part No.                    | Size   | SS/DS | Chip Brand | Timing       | Voltage ( V ) | DIMM socket support (Optional) |        |        |
|---------------|-----------------------------|--------|-------|------------|--------------|---------------|--------------------------------|--------|--------|
|               |                             |        |       |            |              |               | 1 DIMM                         | 2 DIMM | 4 DIMM |
| GLOWAY        | STK4U2133D15041C/ PC4-17000 | 4GB    | SS    | N/A        | 15-15-15-35  | 1.2           | •                              | •      | •      |
| G.SKILL       | F4-2133C15Q-64GFX           | 4*16GB | DS    | N/A        | 15-15-15-36  | 1.2           | •                              | •      | •      |
| G.SKILL       | F4-2133C15Q-32GFX           | 4*8GB  | SS    | N/A        | 15-15-15-36  | 1.2           | •                              | •      | •      |
| G.SKILL       | F4-2133C15S-8GDB            | 8GB    | SS    | Hynix      | 15-15-15-35  | 1.2           | •                              | •      |        |
| AVANT         | AVW6451U67J5213N3-SAEP      | 4GB    | SS    | SEC 549    | 15--15-15-36 | 1.2           | •                              | •      | •      |
| AVANT         | AVW641GU67J5213N2-SAEP      | 8GB    | DS    | SEC 549    | 15--15-15-36 | 1.2           | •                              | •      | •      |
| AVANT         | AVW642GU42J5213N2-SAEP      | 16GB   | DS    | SEC 549    | 15--15-15-36 | 1.2           | •                              | •      |        |
| SanMax        | SMD4-U4G28SE-21P            | 4GB    | SS    | SEC 534    | 15-15-15-36  | 1.2           | •                              | •      |        |
| CRUCIAL       | CT16G4DFD8213.C16FH1        | 16GB   | DS    | Micron     | 15-15-15-36  | 1.2           | •                              | •      | •      |
| ADATA         | AD4U213338G15-B             | 8*8GB  | SS    | SpecTek    | 15-15-15-36  | 1.2           | •                              | •      | •      |
| ADATA         | AD4U2133W4G15-BP            | 8*4GB  | SS    | SpecTek    | 15-15-15-36  | 1.2           | •                              | •      | •      |
| Ramsta        | R2DD4N04G2133               | 4GB    | SS    | Micron     | 15-15-15-35  | 1.2           | •                              | •      |        |
| Ramsta        | R2DD4N08G2133               | 8GB    | SS    | Micron     | 15-15-15-36  | 1.2           | •                              | •      | •      |
| APACER        | AU16GGB13CDYBGC             | 16GB   | DS    | APACER     | 15-15-15-36  | 1.2           | •                              | •      | •      |
| silicon power | SP004GBLFU213N02            | 4GB    | SS    | Hynix      | 15-15-15-36  | 1.2           | •                              | •      | •      |
| TEKISM        | T4U2133B8G15-HYM            | 2* 8GB | DS    | Hynix      | 15-15-15-36  | 1.2           | •                              | •      |        |
| TIGO          | TMKU4G456-2133P             | 4GB    | SS    | Hynix      | 15-15-15-36  | 1.2           | •                              | •      | •      |
| HYUNDAI       | HYE16G21C15                 | 16GB   | SS    | Hynix      | 15-15-15-35  | 1.2           | •                              | •      | •      |
| Asgard        | VML40UI-MIC1U22ZG           | 32GB   | DS    | N/A        | 15-15- 15-35 | 1.2           | •                              | •      |        |

### 4 DIMM Slots

For each DRAM channel (A,B), make sure to install the DRAM module to gray slot first.

- 1 DIMM: Supports one (1) module inserted into any gray slot as Single-channel memory configuration. Install the module into the A2 or B2 slot for better compatibility.

- 2 DIMMs: Supports two (2) modules inserted into one pair of gray slots as one pair of Dual-channel memory configuration. Install the modules into slots A2 and B2 for better compatibility.

- 4 DIMMs: Supports 4 modules inserted into all slots as two pairs of Dual-channel memory configuration.

- Make sure to install the memory modules from the gray slots first.

- The default DIMM frequency depends on its Serial Presence Detect (SPD), which is the standard way of accessing information from a memory module. Under the default state, some memory modules for overclocking may operate at a lower frequency than the vendor-marked value

- Always install DIMMs with the same CAS latency. For optimal compatibility, we recommend that you install memory modules of the same version or date code (D/C) from the same vendor. Check with the retailer to get the correct memory modules.

- DDR4 2666MHz and higher memory modules will run at max. 2666MHz on Intel® 8th Generation 6-core or higher processors.