

**"R282-Z94-A00"Qualification Vender List**

**Please contact FAE support for below orange blocks**

| AMD CPU                 |           |         |          |          |                      |                           |                                |             |                     |              |
|-------------------------|-----------|---------|----------|----------|----------------------|---------------------------|--------------------------------|-------------|---------------------|--------------|
| Product Name            | Code Name | Package | Stepping | L3 Cache | # of Cores / Threads | Processor Base Freq (GHz) | Processor Boost Max Freq (GHz) | Default TDP | cTDP Min / cTDP Max | Memory Types |
| AMD 7H12 100-000000055  | ROME      | SP3     | B0 PR    | 256MB    | 64 / 128             | 2.60                      | 3.30                           | 240W        | 240W/280W           | DDR4-3200    |
| AMD 7F72 100-000000141  | ROME      | SP3     | PD       | 192MB    | 24 / 48              | 3.20                      | 3.70                           | 240W        | 225W/240W           | DDR4-3200    |
| AMD 7F52 100-000000140  | ROME      | SP3     | PD       | 256MB    | 16 / 32              | 3.50                      | 3.90                           | 240W        | 225W/240W           | DDR4-3200    |
| AMD 7F32 100-000000139  | ROME      | SP3     | B0 PR    | 128MB    | 8 / 16               | 3.70                      | 3.90                           | 180W        | 165W/200W           | DDR4-3200    |
| AMD 7742 100-000000053  | ROME      | SP3     | B0 PR    | 256MB    | 64 / 128             | 2.25                      | 3.40                           | 225W        | 225W/240W           | DDR4-3200    |
| AMD 7702 100-000000038  | ROME      | SP3     | B0 PR    | 256MB    | 64 / 128             | 2.00                      | 3.35                           | 200W        | 165W/200W           | DDR4-3200    |
| AMD 7662 100-000000137  | ROME      | SP3     | B0 PR    | 256MB    | 64 / 128             | 2.00                      | 3.30                           | 225W        | 225W/240W           | DDR4-3200    |
| AMD 7642 100-000000074  | ROME      | SP3     | B0 PR    | 192MB    | 48 / 96              | 2.40                      | 3.40                           | 225W        | 225W/240W           | DDR4-3200    |
| AMD 7552 100-000000076  | ROME      | SP3     | B0 PR    | 192MB    | 48 / 96              | 2.20                      | 3.35                           | 200W        | 165W/200W           | DDR4-3200    |
| AMD 7542 100-000000075  | ROME      | SP3     | B0 PR    | 128MB    | 32 / 64              | 2.90                      | 3.40                           | 225W        | 225W/240W           | DDR4-3200    |
| AMD 7532 100-000000136  | ROME      | SP3     | B0 PR    | 256MB    | 32 / 64              | 2.40                      | 3.30                           | 200W        | 180W/200W           | DDR4-3200    |
| AMD 7502 100-000000054  | ROME      | SP3     | B0 PR    | 128MB    | 32 / 64              | 2.50                      | 3.35                           | 180W        | 165W/200W           | DDR4-3200    |
| AMD 7452 100-000000057  | ROME      | SP3     | B0 PR    | 128MB    | 32 / 64              | 2.35                      | 3.35                           | 155W        | 155W/180W           | DDR4-3200    |
| AMD 7402 100-000000046  | ROME      | SP3     | B0 PR    | 128MB    | 24 / 48              | 2.80                      | 3.35                           | 180W        | 165W/200W           | DDR4-3200    |
| AMD 7352 100-000000077  | ROME      | SP3     | B0 PR    | 128MB    | 24 / 48              | 2.30                      | 3.20                           | 155W        | 155W/180W           | DDR4-3200    |
| AMD 7302 100-000000043  | ROME      | SP3     | B0 PR    | 128MB    | 16 / 32              | 2.80                      | 3.30                           | 155W        | 155W/180W           | DDR4-3200    |
| AMD 7282 100-000000078  | ROME      | SP3     | B0 PR    | 64MB     | 16 / 32              | 2.40                      | 3.20                           | 120W        | 120W/150W           | DDR4-3200    |
| AMD 7272 100-000000079  | ROME      | SP3     | B0 PR    | 64MB     | 12 / 24              | 2.90                      | 3.20                           | 120W        | 120W/150W           | DDR4-3200    |
| AMD 7262 100-000000041  | ROME      | SP3     | B0 PR    | 128MB    | 8 / 16               | 3.20                      | 3.40                           | 155W        | 155W/180W           | DDR4-3200    |
| AMD 7252 100-000000080  | ROME      | SP3     | B0 PR    | 64MB     | 8 / 16               | 2.80                      | 3.20                           | 120W        | 120W/150W           | DDR4-3200    |
| Product Name            | Code Name | Package | Stepping | L3 Cache | # of Cores / Threads | Processor Base Freq (GHz) | Processor Boost Max Freq (GHz) | Default TDP | cTDP Min / cTDP Max | Memory Types |
| AMD 7763 100-000000312  | Milan     | SP3     | PR       | 256MB    | 64 / 128             | 2.45                      | 3.50                           | 280W        | 225W/280W           | DDR4-3200    |
| AMD 7713 100-000000344  | Milan     | SP3     | PR       | 256MB    | 64 / 128             | 2.00                      | 3.675                          | 225W        | 225W/240W           | DDR4-3200    |
| AMD 7663 100-000000318  | Milan     | SP3     | PR       | 256MB    | 56 / 112             | 2.00                      | 3.50                           | 240W        | 225W/240W           | DDR4-3200    |
| AMD 7643 100-000000326  | Milan     | SP3     | PR       | 256MB    | 48 / 96              | 2.30                      | 3.60                           | 225W        | 225W/240W           | DDR4-3200    |
| AMD 75F3 100-000000313  | Milan     | SP3     | PR       | 256MB    | 32 / 64              | 2.95                      | 4.00                           | 280W        | 225W/280W           | DDR4-3200    |
| AMD 7543 100-000000345  | Milan     | SP3     | PR       | 256MB    | 32 / 64              | 2.80                      | 3.70                           | 225W        | 225W/240W           | DDR4-3200    |
| AMD 7513 100-000000334  | Milan     | SP3     | PR       | 128MB    | 32 / 64              | 2.60                      | 3.65                           | 200W        | 165W/200W           | DDR4-3200    |
| AMD 74F3 100-000000317  | Milan     | SP3     | PR       | 256MB    | 24 / 48              | 3.20                      | 4.00                           | 240W        | 225W/240W           | DDR4-3200    |
| AMD 7443 100-000000340  | Milan     | SP3     | PR       | 128MB    | 24 / 48              | 2.85                      | 4.00                           | 200W        | 165W/200W           | DDR4-3200    |
| AMD 7413 100-000000323  | Milan     | SP3     | PR       | 128MB    | 24 / 48              | 2.65                      | 3.60                           | 180W        | 165W/200W           | DDR4-3200    |
| AMD 73F3 100-000000321  | Milan     | SP3     | PR       | 256MB    | 16 / 32              | 3.50                      | 4.00                           | 240W        | 225W/240W           | DDR4-3200    |
| AMD 7343 100-000000338  | Milan     | SP3     | PR       | 128MB    | 16 / 32              | 3.20                      | 3.90                           | 190W        | 165W/200W           | DDR4-3200    |
| AMD 7313 100-000000329  | Milan     | SP3     | PR       | 128MB    | 16 / 32              | 3.00                      | 3.70                           | 155W        | 155W/180W           | DDR4-3200    |
| AMD 72F3 100-000000327  | Milan     | SP3     | PR       | 256MB    | 8 / 16               | 3.70                      | 4.10                           | 180W        | 165W/200W           | DDR4-3200    |
| AMD 7453 100-000000319  | Milan     | SP3     | PR       | 64MB     | 28 / 56              | 2.75                      | 3.45                           | 225W        | 225W/240W           | DDR4-3200    |
| Product Name            | Code Name | Package | Stepping | L3 Cache | # of Cores / Threads | Processor Base Freq (GHz) | Processor Boost Max Freq (GHz) | Default TDP | cTDP Min / cTDP Max | Memory Types |
| AMD 7773X 100-000000504 | MilanX    | SP3     | PR       | 768MB    | 64 / 128             | 2.20                      | 3.50                           | 280W        | 225W/280W           | DDR4-3200    |
| AMD 7573X 100-000000506 | MilanX    | SP3     | PR       | 768MB    | 32 / 64              | 2.80                      | 3.60                           | 280W        | 225W/280W           | DDR4-3200    |
| AMD 7473X 100-000000507 | MilanX    | SP3     | PR       | 768MB    | 24 / 48              | 2.80                      | 3.70                           | 240W        | 225W/280W           | DDR4-3200    |
| AMD 7373X 100-000000508 | MilanX    | SP3     | PR       | 768MB    | 16 / 32              | 3.05                      | 3.80                           | 240W        | 225W/280W           | DDR4-3200    |

| Memory (Memory actually maximum frequency will follow memory controller's spec of CPU you used) |             |                 |      |                      |      |         |                    |                  |             |         |  |
|---|-------------|-----------------|------|----------------------|------|---------|--------------------|------------------|-------------|---------|--|
| Product Name  | Memory Type | Module Supplier | Size | Chip Brand           | Rank | Voltage | Data Transfer Rate | Error Correction | CAS Latency | Pins    |  |
| RDIMM   |             |                 |      |                      |      |         |                    |                  |             |         |  |
| NT32GA72D4NBX3P-IX  | DDR4        | Nanya           | 32GB | Nanya-Montage or IDT | 2Rx4 | 1.2v    | 2933MHz            | ECC Registered   | 21          | 288-pin |  |
| MTA36ASF4G72PZ-2G9J3TI  | DDR4        | Micron          | 32GB | Micron-Montage       | 2Rx4 | 1.2v    | 2933MHz            | ECC Registered   | 21          | 288-pin |  |
| M393A2K43DB2-CVFBQ  | DDR4        | Samsung         | 16GB | Samsung-IDT          | 2Rx8 | 1.2v    | 2933MHz            | ECC Registered   | 21          | 288-pin |  |
| M393A8G40AB2-CVFBY  | DDR4        | Samsung         | 64GB | Samsung-IDT          | 2Rx4 | 1.2v    | 2933MHz            | ECC Registered   | 21          | 288-pin |  |
| M393A2K43CB2-CVFBQ  | DDR4        | Samsung         | 16GB | Samsung-IDT          | 2Rx8 | 1.2v    | 2933MHz            | ECC Registered   | 21          | 288-pin |  |
| M393A4K40CB2-CVFBQ  | DDR4        | Samsung         | 32GB | Samsung-IDT          | 2Rx4 | 1.2v    | 2933MHz            | ECC Registered   | 21          | 288-pin |  |
| M393A8G40MB2-CVFBY  | DDR4        | Samsung         | 64GB | Samsung-IDT          | 2Rx4 | 1.2v    | 2933MHz            | ECC Registered   | 21          | 288-pin |  |
| CT32G4RFD4293.2G9E2.001   | DDR4        | CRUCIAL         | 32GB | Micron               | 2Rx4 | 1.2v    | 2933MHz            | ECC Registered   | 21          | 288-pin |  |
| CT32G4RFD4293.36FE2   | DDR4        | CRUCIAL         | 32GB | Micron               | 2Rx4 | 1.2v    | 2933MHz            | ECC Registered   | 21          | 288-pin |  |
| MTA36ASF4G72PZ-2G9E2TG  | DDR4        | Micron          | 32GB | Micron-Montage       | 2Rx4 | 1.2v    | 2933MHz            | ECC Registered   | 21          | 288-pin |  |
| MTA36ASF4G72PZ-2G9E2VG  | DDR4        | Micron          | 32GB | Micron-IDT           | 2Rx4 | 1.2v    | 2933MHz            | ECC Registered   | 21          | 288-pin |  |
| MTA36ASF4G72PZ-2G9E2TI  | DDR4        | Micron          | 32GB | Micron-Montage       | 2Rx4 | 1.2v    | 2933MHz            | ECC Registered   | 21          | 288-pin |  |
| MTA36ASF4G72PZ-2G9E2UG  | DDR4        | Micron          | 32GB | Micron-Rambus        | 2Rx4 | 1.2v    | 2933MHz            | ECC Registered   | 21          | 288-pin |  |
| HMAA8GR7MJR4N-WM T4   | DDR4        | SKhynix         | 64GB | SKhynix-Montage      | 2Rx4 | 1.2v    | 2933MHz            | ECC Registered   | 21          | 288-pin |  |
| M393A2K40CB2-CVFBQ  | DDR4        | Samsung         | 16GB | Samsung-IDT          | 1Rx4 | 1.2v    | 2933MHz            | ECC Registered   | 21          | 288-pin |  |
| CT16G4RFS4293.18FE1   | DDR4        | CRUCIAL         | 16GB | Micron               | 1Rx4 | 1.2v    | 2933MHz            | ECC Registered   | 21          | 288-pin |  |
| CT16G4RFS4293-2G9E1.001   | DDR4        | CRUCIAL         | 16GB | Micron               | 1Rx4 | 1.2v    | 2933MHz            | ECC Registered   | 21          | 288-pin |  |
| MTA18ASF2G72PZ.2G9E1TK  | DDR4        | Micron          | 16GB | Micron-Montage       | 1Rx4 | 1.2v    | 2933MHz            | ECC Registered   | 21          | 288-pin |  |
| MTA18ASF2G72PZ.2G9E1VG  | DDR4        | Micron          | 16GB | Micron-IDT           | 1Rx4 | 1.2v    | 2933MHz            | ECC Registered   | 21          | 288-pin |  |
| CT16G4RFD8293.18FE1   | DDR4        | CRUCIAL         | 16GB | Micron               | 2Rx8 | 1.2v    | 2933MHz            | ECC Registered   | 21          | 288-pin |  |

|                         |      |         |      |                |      |      |         |                |    |         |
|-------------------------|------|---------|------|----------------|------|------|---------|----------------|----|---------|
| CT16G4RFD8293-2G9E1.001 | DDR4 | CRUCIAL | 16GB | Micron         | 2Rx8 | 1.2v | 2933MHz | ECC Registered | 21 | 288-pin |
| MTA18ASF2G72PDZ-2G9E1UG | DDR4 | Micron  | 16GB | Micron-Rambus  | 2Rx8 | 1.2v | 2933MHz | ECC Registered | 21 | 288-pin |
| MTA18ASF2G72PDZ-2G9E1VG | DDR4 | Micron  | 16GB | Micron-IDT     | 2Rx8 | 1.2v | 2933MHz | ECC Registered | 21 | 288-pin |
| CT64G4RFD4293-2G9B1.001 | DDR4 | CRUCIAL | 64GB | Micron-IDT     | 2Rx4 | 1.2v | 2933MHz | ECC Registered | 21 | 288-pin |
| MTA36ASF8G72PZ-2G9B1VI  | DDR4 | Micron  | 64GB | Micron-IDT     | 2Rx4 | 1.2v | 2933MHz | ECC Registered | 21 | 288-pin |
| CT64G4RFD4293-2G9B2.001 | DDR4 | Crucial | 64GB | Micron-IDT     | 2Rx4 | 1.2v | 2933MHz | ECC Registered | 21 | 288-pin |
| MTA36ASF8G72PZ-2G9B2VI  | DDR4 | Crucial | 64GB | Micron-IDT     | 2Rx4 | 1.2v | 2933MHz | ECC Registered | 21 | 288-pin |
| MTA18ASF2G72PDZ-2G9J3VI | DDR4 | Micron  | 16GB | Micron-IDT     | 2Rx8 | 1.2v | 2933MHz | ECC Registered | 21 | 288-pin |
| MTA18ASF2G72PDZ-2G9J3TI | DDR4 | Micron  | 16GB | Micron-Montage | 2Rx8 | 1.2v | 2933MHz | ECC Registered | 21 | 288-pin |
| M393A2K40DB2-CVFBQ      | DDR4 | Samsung | 16GB | Samsung-IDT    | 1Rx4 | 1.2v | 2933MHz | ECC Registered | 21 | 288-pin |
| M393A4K40DB2-CVFBQ      | DDR4 | Samsung | 32GB | Samsung-IDT    | 2Rx4 | 1.2v | 2933MHz | ECC Registered | 21 | 288-pin |
| MTA9ASF2G72PZ-2G9E1UI   | DDR4 | Micron  | 16GB | Micron-Rambus  | 1Rx8 | 1.2v | 2933MHz | ECC Registered | 21 | 288-pin |
| MTA18ASF4G72PDZ-2G9E1TI | DDR4 | Micron  | 32GB | Micron-Montage | 2Rx8 | 1.2v | 2933MHz | ECC Registered | 21 | 288-pin |
| MTA36ASF8G72PZ-2G9E1TI  | DDR4 | Micron  | 64GB | Micron-Montage | 2Rx4 | 1.2v | 2933MHz | ECC Registered | 21 | 288-pin |
| MTA36ASF8G72PZ-2G9E1VI  | DDR4 | Micron  | 64GB | Micron-IDT     | 2Rx4 | 1.2v | 2933MHz | ECC Registered | 21 | 288-pin |
| M393A8G40AB2-CWEBQ      | DDR4 | Samsung | 64GB | Samsung-IDT    | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| M393A8G40AB2-CWEBY      | DDR4 | Samsung | 64GB | Samsung-IDT    | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| HMA81GR7CJR8N-XN TG     | DDR4 | SKhynix | 8GB  | SKhynix-IDT    | 1Rx8 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| HMA82GR7CJR8N-XN T4     | DDR4 | SKhynix | 16GB | SKhynix        | 2Rx8 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| HMA82GR7CJR8N-XN T8     | DDR4 | SKhynix | 16GB | SKhynix        | 2Rx8 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| HMA82GR7CJR8N-XN TG     | DDR4 | SKhynix | 16GB | SKhynix        | 2Rx8 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| HMA84GR7CJR4N-XN T8     | DDR4 | SKhynix | 32GB | SKhynix        | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| HMA84GR7CJR4N-XN T4     | DDR4 | SKhynix | 32GB | SKhynix        | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| HMA84GR7CJR4N-XN TG     | DDR4 | SKhynix | 32GB | SKhynix        | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| HMAA8GR7AJR4N-XN TG     | DDR4 | SKhynix | 64GB | SKhynix-IDT    | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |

|   |      |          |      |                 |      |      |         |                |    |         |
|---|------|----------|------|-----------------|------|------|---------|----------------|----|---------|
| HMAA8GR7AJR4N-XN T8   | DDR4 | SKhynix  | 64GB | SKhynix-Rambus  | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| CT8G4RFS832A.9FE1   | DDR4 | Crucial  | 8GB  | Micron          | 1Rx8 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| CT8G4RFS832A-3G2E1.001                                      | DDR4 | Crucial  | 8GB  | Micron          | 1Rx8 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA9ASF1G72PZ.3G2E1VG                                       | DDR4 | Micron   | 8GB  | Micron          | 1Rx8 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| CT16G4RFD832A.18FE1   | DDR4 | Crucial  | 16GB | Micron-IDT      | 2Rx8 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA18ASF2G72PDZ.3G2E1VG                                     | DDR4 | Micron   | 16GB | Micron-IDT      | 2Rx8 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| CT16G4RFS432A.18FE1   | DDR4 | Crucial  | 16GB | Micron-IDT      | 1Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| CT16G4RFS432A-3G2E1.001                                     | DDR4 | Crucial  | 16GB | Micron-IDT      | 1Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA18ASF2G72PZ.3G2E1VG                                      | DDR4 | Micron   | 16GB | Micron-IDT      | 1Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| CT16G4RFD832A-3G2E1.001                                     | DDR4 | Crucial  | 16GB | Micron-Rambus   | 2Rx8 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| CT16G4RFD832A.3G2E1.001                                     | DDR4 | Crucial  | 16GB | Micron-Rambus   | 2Rx8 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA18ASF2G72PDZ-3G2E1UK                                     | DDR4 | Micron   | 16GB | Micron-Rambus   | 2Rx8 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| CT32G4RFD432A.36FE2   | DDR4 | Crucial  | 32GB | Micron-Montage  | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| CT32G4RFD432A-3G2E2.001                                     | DDR4 | Crucial  | 32GB | Micron-Montage  | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA36ASF4G72PZ.3G2E2TG                                      | DDR4 | Micron   | 32GB | Micron-Montage  | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| M393A2K40DB2-CWEBQ<br><b>(3200MHz only support on 1DPC)</b> | DDR4 | Samsung  | 16GB | Samsung-IDT     | 1Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| M393A2K43DB2-CWEBQ<br><b>(3200MHz only support on 1DPC)</b> | DDR4 | Samsung  | 16GB | Samsung-IDT     | 2Rx8 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| M393A2K40DB3-CWEGQ  | DDR4 | Samsung  | 16GB | Samsung-Rambus  | 1Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| M393A2K40DB3-CWEBQ  | DDR4 | Samsung  | 16GB | Samsung-IDT     | 1Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| M393A2K40DB3-CWECQ  | DDR4 | Samsung  | 16GB | Samsung-        | 1Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| M393A4K40DB2-CWEBQ<br><b>(3200MHz only support on 1DPC)</b> | DDR4 | Samsung  | 32GB | Samsung-IDT     | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| M393A4K40DB3-CWECQ  | DDR4 | Samsung  | 32GB | Samsung-Montage | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| M393A4K40DB3-CWEBQ  | DDR4 | Samsung  | 32GB | Samsung-IDT     | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| M393A4K40DB3-CWEBY  | DDR4 | Samsung  | 32GB | Samsung-IDT     | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| M393A4K40DB3-CWEGQ  | DDR4 | Samsung  | 32GB | Samsung-Rambus  | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| TR416G32S422-XNC  | DDR4 | V-color  | 16GB | SKhynix-Rambus  | 1Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| KSM32RD4/32MEI  | DDR4 | Kingston | 32GB | Micron-IDT      | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |

|  |      |          |       |                 |        |      |         |                |    |         |
|--|------|----------|-------|-----------------|--------|------|---------|----------------|----|---------|
| KSM32RD8/16MEI                                       | DDR4 | Kingston | 16GB  | Micron-IDT      | 2Rx8   | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| M393A2K43DB3-CWEBQ                                   | DDR4 | Samsung  | 16GB  | Samsung-IDT     | 2Rx8   | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| M393A1K43DB2-CWEBQ<br>(3200MHz only support on 1DPC) | DDR4 | Samsung  | 8GB   | Samsung-IDT     | 1Rx8   | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| CT64G4RFD432A-3G2B2.001                              | DDR4 | Crucial  | 64GB  | Micron          | 2Rx4   | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA36ASF8G72PZ.3G2B2TI                               | DDR4 | Micron   | 64GB  | Micron          | 2Rx4   | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| CT32G4RFD432A-3G2E7.001                              | DDR4 | Crucial  | 32GB  | Micron-IDT      | 2Rx4   | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| CT32G4RFD432A.36FE7                                  | DDR4 | Crucial  | 32GB  | Micron-IDT      | 2Rx4   | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA36ASF4G72PZ.3G2E7VI                               | DDR4 | Micron   | 32GB  | Micron-IDT      | 2Rx4   | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA36ASF4G72PZ.3G2E7TI                               | DDR4 | Micron   | 32GB  | Micron-Montage  | 2Rx4   | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| AD4R3200316G22-BSSC                                  | DDR4 | ADATA    | 16GB  | Samsung-IDT     | 2Rx8   | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA18ASF4G72PDZ.3G2B2TI                              | DDR4 | Micron   | 32GB  | Micron-Montage  | 2Rx8   | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA18ASF4G72PDZ-3G2B2TI                              | DDR4 | Micron   | 32GB  | Micron-Montage  | 2Rx8   | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| HMA82GR7DJR8N-XN T8                                  | DDR4 | SKhynix  | 16GB  | SKhynix-Rambus  | 2Rx8   | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| HMA84GR7DJR4N-XN T4                                  | DDR4 | SKhynix  | 32GB  | SKhynix-Montage | 2Rx4   | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| HMA84GR7DJR4N-XN TG                                  | DDR4 | SKhynix  | 32GB  | SKhynix-IDT     | 2Rx4   | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA36ASF4G72PZ-3G2J3UI                               | DDR4 | Micron   | 32GB  | Micron-Rambus   | 2Rx4   | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| KSM32RS8/8MEI  | DDR4 | Kingston | 8GB   | MICRON-IDT      | 1Rx8   | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| M393AAG40M32-CAEBQ                                   | DDR4 | Samsung  | 128GB | Samsung         | 2S2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| M393AAG40M32-CAEBY                                   | DDR4 | Samsung  | 128GB | Samsung         | 2S2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| M393AAG40M32-CAEBQ                                   | DDR4 | Samsung  | 128GB | Samsung         | 2S2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA18ASF2G72PZ-3G2E2TI                               | DDR4 | Micron   | 16GB  | Micron-Montage  | 1Rx4   | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA9ASF2G72PZ-3G2E1TI                                | DDR4 | Micron   | 16GB  | Micron-Montage  | 1Rx8   | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA18ASF4G72PDZ-3G2E1UI                              | DDR4 | Micron   | 32GB  | Micron-Rambus   | 2Rx8   | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA18ASF4G72PDZ-3G2E1TI                              | DDR4 | Micron   | 32GB  | Micron-Montage  | 2Rx8   | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA18ASF4G72PDZ-3G2E1V1                              | DDR4 | Micron   | 32GB  | Micron          | 2Rx8   | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA36ASF8G72PZ-3G2E1VI                               | DDR4 | Micron   | 64GB  | Micron-IDT      | 2Rx4   | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA18ASF2G72PDZ-3G2J3UI                              | DDR4 | Micron   | 16GB  | Micron-Rambus   | 2Rx8   | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| AD4R3200716G22-BHYA                                  | DDR4 | ADATA    | 16GB  | SKhynix-Montage | 1Rx8   | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| HMA82GR7DJR8N-XN TG                                  | DDR4 | SKhynix  | 16GB  | SKhynix-IDT     | 2Rx8   | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |

|                         |      |          |      |                 |      |      |         |                |    |         |
|-------------------------|------|----------|------|-----------------|------|------|---------|----------------|----|---------|
| KSM32RS4/32MER          | DDR4 | Kingston | 32GB | Micron-Rambus   | 1Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| KSM32RS8/16MER          | DDR4 | Kingston | 16GB | Micron-Rambus   | 1Rx8 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| HMAA8GR7CJR4N-XN T4     | DDR4 | SKhynix  | 64GB | SKhynix-Montage | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| HMAA8GR7CJR4N-XN T8     | DDR4 | SKhynix  | 64GB | SKhynix-Rambus  | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| HMAA8GR7CJR4N-XN TG     | DDR4 | SKhynix  | 64GB | SKhynix-IDT     | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| M393A4G40BB3-CWEGQ      | DDR4 | Samsung  | 32GB | Samsung-Rambus  | 1Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| M393A4K40EB3-CWEGQ      | DDR4 | Samsung  | 32GB | Samsung-Rambus  | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| M393A4K40EB3-CWECQ      | DDR4 | Samsung  | 32GB | Samsung-Montage | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| M393A4K40EB3-CWEBY      | DDR4 | Samsung  | 32GB | Samsung-IDT     | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| M393A8G40BB4-CWEBY      | DDR4 | Samsung  | 64GB | Samsung-IDT     | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA18ASF2G72PDZ-3G2R1TI | DDR4 | Micron   | 16GB | Micron-Rambus   | 2Rx8 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA18ASF2G72PDZ-3G2R1UI | DDR4 | Micron   | 16GB | Micron-Rambus   | 2Rx8 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA18ASF2G72PDZ-3G2R1VI | DDR4 | Micron   | 16GB | Micron-Rambus   | 2Rx8 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA18ASF4G72PDZ-3G2F1VI | DDR4 | Micron   | 32GB | Micron-IDT      | 2Rx8 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA18ASF4G72PDZ-3G2F1UI | DDR4 | Micron   | 32GB | Micron-Rambus   | 2Rx8 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA36ASF8G72PZ-3G2F1VI  | DDR4 | Micron   | 64GB | Micron-IDT      | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA36ASF8G72PZ-3G2F1TI  | DDR4 | Micron   | 64GB | Micron-Montage  | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA9ASF1G72PZ-3G2R1VI   | DDR4 | Micron   | 8GB  | Micron-IDT      | 1Rx8 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA9ASF1G72PZ-3G2R1TI   | DDR4 | Micron   | 8GB  | Micron-IDT      | 1Rx8 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA18ASF2G72PZ-3G2R1UI  | DDR4 | Micron   | 16GB | Micron-Rambus   | 2Rx8 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA18ASF2G72PZ-3G2R1TI  | DDR4 | Micron   | 16GB | Micron-Montage  | 1Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA9ASF2G72PZ-3G2F1UI   | DDR4 | Micron   | 16GB | Micron-Rambus   | 1Rx8 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA36ASF4G72PZ-3G2R1UI  | DDR4 | Micron   | 32GB | Micron-Rambus   | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA18ASF4G72PZ-3G2F1TI  | DDR4 | Micron   | 32GB | Micron-Montage  | 1Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA18ASF4G72PZ-3G2F1UI  | DDR4 | Micron   | 32GB | Micron-Rambus   | 1Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| KSM32RD8/16MRR          | DDR4 | Kingston | 16GB | Micron-Rambus   | 2Rx8 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| KSM32RD4/32MRR          | DDR4 | Kingston | 32GB | Micron-Rambus   | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| M393A2K43EB3-CWEBQ      | DDR4 | Samsung  | 16GB | Samsung-IDT     | 2Rx8 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| M393A2K40EB3-CWEGQ      | DDR4 | Samsung  | 16GB | Samsung-Rambus  | 1Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| KSM32RD8/16HDR          | DDR4 | Kingston | 16GB | SKhynix-Rambus  | 2Rx8 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| KSM32RD4/32HDR          | DDR4 | Kingston | 32GB | SKhynix-Rambus  | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |

LRDIMM

|                    |      |         |       |             |       |      |         |                |    |         |
|--------------------|------|---------|-------|-------------|-------|------|---------|----------------|----|---------|
| M386A8K40CM2-CVFBY | DDR4 | Samsung | 64GB  | Samsung-IDT | 4DRx4 | 1.2v | 2933MHz | ECC Registered | 21 | 288-pin |
| M386A8K40DM2-CWELQ | DDR4 | Samsung | 64GB  | Samsung-IDT | 4DRx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| M386A8K40DM2-CWEZY | DDR4 | Samsung | 64GB  | Samsung-IDT | 4DRx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| M386AAG40MMB-CVFC0 | DDR4 | Samsung | 128GB | Samsung     | 4DRx4 | 1.2v | 2933MHz | ECC Registered | 21 | 288-pin |

SATA/SAS SSD

| Product Name | Type | Vendor | Form Factor | Interface | Capacity | Interface Speed | Note |  |  |  |
|--------------|------|--------|-------------|-----------|----------|-----------------|------|--|--|--|
|--------------|------|--------|-------------|-----------|----------|-----------------|------|--|--|--|

SATA/SAS SSD

|  |      |         |      |      |        |       |                                       |       |      |     |
|--|------|---------|------|------|--------|-------|---------------------------------------|-------|------|-----|
| ST1000NX0313                             | SATA | Seagate | 2.5" | 512e | 1TB    | 6Gb/s | Exos 7E2000 (Enterprise Capacity V.3) | 128MB | 7200 | N/A |
| ST2000NX0253                             | SATA | Seagate | 2.5" | 512E | 2TB    | 6Gb/s | Exos 7E2000 (Enterprise Capacity V.3) | 128MB | 7200 | N/A |
| SSB240GTLGC-D2-SME520GBT ESM1220 Series  | SSD  | Phison  | 2.5" | SATA | 240GB  | 6Gb/s |                                       |       |      |     |
| SSB480GTLGC-D2-SME520GBT ESM1220 Series  | SSD  | Phison  | 2.5" | SATA | 480GB  | 6Gb/s |                                       |       |      |     |
| SSB960GTLGC-D2-SME520GBT ESM1220 Series  | SSD  | Phison  | 2.5" | SATA | 960GB  | 6Gb/s |                                       |       |      |     |
| SSB1K9GTLGC-D2-SME520GBT ESM1220 Series  | SSD  | Phison  | 2.5" | SATA | 1.92TB | 6Gb/s |                                       |       |      |     |
| SSB1K9GTLCW-D2-SME1720GBT ESM1720 Series | SSD  | Phison  | 2.5" | SATA | 1.92TB | 6Gb/s |                                       |       |      |     |
| MTFDDAK3T8TDS-1AW1ZABYY (5300 PRO)       | SSD  | Micron  | 2.5" | SATA | 3.84TB | 6Gb/s |                                       |       |      |     |
| MTFDDAK1T9TDS-1AW1ZABYY (5300 PRO)       | SSD  | Micron  | 2.5" | SATA | 1.92TB | 6Gb/s |                                       |       |      |     |
| SSDSC2KG019T8 D3-S4610 Series            | SSD  | Intel   | 2.5" | SATA | 1.92TB | 6Gb/s |                                       |       |      |     |
| SSDSC2KB019T8 D3-S4510 Series            | SSD  | Intel   | 2.5" | SATA | 1.92TB | 6Gb/s |                                       |       |      |     |
| SSDSC2KB019TZ D3-S4520 Series            | SSD  | Intel   | 2.5" | SATA | 1.92TB | 6Gb/s |                                       |       |      |     |
| XA960LE10063                             | SSD  | Seagate | 2.5" | SATA | 960GB  | 6Gb/s |                                       |       |      |     |
| MZ-7LH1T9NE 883 DCT Series               | SSD  | Samsung | 2.5" | SATA | 1.92TB | 6Gb/s |                                       |       |      |     |
| MZ7L31T9HBNA-00A07 PM897 Series          | SSD  | Samsung | 2.5" | SATA | 1.92TB | 6Gb/s |                                       |       |      |     |
| MZ7L3480HCHQ-00A07 PM893 Series          | SSD  | Samsung | 2.5" | SATA | 480GB  | 6Gb/s |                                       |       |      |     |

PCIe SSD

| Product Name | Type | Vendor | Form Factor | Interface | Capacity | Interface Speed | Note |  |  |  |
|--------------|------|--------|-------------|-----------|----------|-----------------|------|--|--|--|
|--------------|------|--------|-------------|-----------|----------|-----------------|------|--|--|--|

PCIe SSD

|   |      |         |           |            |       |   |  |  |  |  |
|---|------|---------|-----------|------------|-------|---|--|--|--|--|
| Samsung PM1725b MZPLL3T2HAJQ PCIe Gen3 x8 3.2TB | PCIe | Samsung | PCI-E 3.0 | PCIe(NVMe) | 3.2TB | - |  |  |  |  |
| Netlist N1951 E3 NS1951AH33T2 Gen3 x8 3.2TB     | PCIe | Netlist | PCI-E 3.0 | PCIe(NVMe) | 3.2TB | - |  |  |  |  |

M.2

| Product Name | Type | Vendor | Form Factor | Interface | Capacity | Interface Speed | Note |  |  |  |
|--------------|------|--------|-------------|-----------|----------|-----------------|------|--|--|--|
|--------------|------|--------|-------------|-----------|----------|-----------------|------|--|--|--|

M.2

|                                      |     |         |       |            |        |              |  |  |  |  |
|--------------------------------------|-----|---------|-------|------------|--------|--------------|--|--|--|--|
| MZ1L21T9HCLS PM9A3 Series            | M.2 | Samsung | 22110 | PCIe(NVMe) | 1.92TB | PCIe Gen4 x4 |  |  |  |  |
| MZ1L2960HCJR PM9A3 Series            | M.2 | Samsung | 22110 | PCIe(NVMe) | 960GB  | PCIe Gen4 x4 |  |  |  |  |
| MTFDKBG1T9TDZ 1.92TB 7400 Pro Series | M.2 | Micron  | 22110 | PCIe(NVMe) | 1.92TB | PCIe Gen4 x4 |  |  |  |  |
| MTFDKBA800TFS 800GB 7450 Max Series  | M.2 | Micron  | 2280  | PCIe(NVMe) | 800 GB | PCIe Gen4 x4 |  |  |  |  |
| MTFDKBG3T8TFR 3.84TB 7450 Pro Series | M.2 | Micron  | 22110 | PCIe(NVMe) | 3.84TB | PCIe Gen4 x4 |  |  |  |  |
| MTFDKBG3T8TDZ 3.84TB 7400 Pro Series | M.2 | Micron  | 22110 | PCIe(NVMe) | 3.84TB | PCIe Gen4 x4 |  |  |  |  |
| MTFDKBA800TFC 800GB 7400 Max Series  | M.2 | Micron  | 2280  | PCIe(NVMe) | 800GB  | PCIe Gen4 x4 |  |  |  |  |

|                                     |     |         |       |            |        |              |  |  |  |
|-------------------------------------|-----|---------|-------|------------|--------|--------------|--|--|--|
| SSDPELKX010T801 P4511 Series 1TB    | M.2 | Intel   | 22110 | PCIe(NVMe) | 1TB    |              |  |  |  |
| SSDPEKKA010T801 P4101 Series 1TB    | M.2 | Intel   | 2280  | PCIe(NVMe) | 1TB    |              |  |  |  |
| MZ-1LB1T9N 983 DCT Series           | M.2 | Samsung | 22110 | PCIe(NVMe) | 1.92TB |              |  |  |  |
| EP3-KW960 EPX Series                | M.2 | LITE-ON | 22110 | PCIe(NVMe) | 960GB  |              |  |  |  |
| IM2P33F8-256GD                      | M.2 | ADATA   | 2280  | PCIe(NVMe) | 256GB  | -            |  |  |  |
| IM2P33F8-512GD                      | M.2 | ADATA   | 2280  | PCIe(NVMe) | 512GB  | -            |  |  |  |
| AF960GSTJA-YT1 ATP 960GB            | M.2 | ATP     | 2280  | PCIe(NVMe) | 960GB  | -            |  |  |  |
| IM2P33F8-256GD1                     | M.2 | ADATA   | 2280  | PCIe(NVMe) | 256GB  | -            |  |  |  |
| IM2P33F8-512GD1                     | M.2 | ADATA   | 2280  | PCIe(NVMe) | 512GB  | -            |  |  |  |
| CA6-8D1024 CA6 Series               | M.2 | SSSTC   | 2280  | PCIe(NVMe) | 1TB    | PCIe Gen4 x4 |  |  |  |
| MTFDHBA960TDF 960GB 7300 Pro Series | M.2 | Micron  | 2280  | PCIe(NVMe) | 960GB  | PCIe Gen3 x4 |  |  |  |

**U.2**

| Product Name | Type | Vendor | Form Factor | Interface | Capacity | Interface Speed | Note |  |  |
|--------------|------|--------|-------------|-----------|----------|-----------------|------|--|--|
|--------------|------|--------|-------------|-----------|----------|-----------------|------|--|--|

**U.2**

|                               |     |          |      |               |         |              |                         |  |  |
|-------------------------------|-----|----------|------|---------------|---------|--------------|-------------------------|--|--|
| DPRD3104T0T503T8 R5100 Series | U.2 | DapuStor | 2.5" | SFF8639(NVMe) | 3.84TB  | PCIe Gen4 x4 |                         |  |  |
| SSDPF2NV153TZ D5-P5316 Series | U.2 | Intel    | 2.5" | SFF8639(NVMe) | 15.35TB | PCIe Gen4 x4 |                         |  |  |
| SSDPE2KE032T801 P4610 Series  | U.2 | Intel    | 2.5" | SFF8639(NVMe) | 3.2TB   | Gen3 x4      |                         |  |  |
| SSDPE2KX020T801 P4510 Series  | U.2 | Intel    | 2.5" | SFF8639(NVMe) | 2TB     | Gen3 x4      |                         |  |  |
| MZWLJ3T8HBL5 PM1733 Series    | U.2 | Samsung  | 2.5" | SFF8639(NVMe) | 3.84TB  | Gen4 x4      |                         |  |  |
| MTFDHAL3T2TCU 9200 Series     | U.2 | Micron   | 2.5" | SFF8639(NVMe) | 3.2TB   | Gen3 x4      |                         |  |  |
| KCD51LUG960G CD5 Series       | U.2 | Toshiba  | 2.5" | SFF8639(NVMe) | 960GB   | Gen3 x4      |                         |  |  |
| PWFX100 3.2TB                 | U.2 | PHISON   | 2.5" | SFF8639(NVMe) | 3.2TB   | PCIe Gen3 x4 |                         |  |  |
| MTFDHBE960TDF 7300 Pro Series | U.2 | Micron   | 2.5" | SFF8639(NVMe) | 960GB   | Gen3 x4      | MTFDHBE960TDF-1AW4ZABYY |  |  |
| MZWLL3T2HAJQ PM1725b Series   | U.2 | Samsung  | 2.5" | SFF8639(NVMe) | 3.2TB   | PCIe Gen3 x4 |                         |  |  |
| MTFDHAL3T2TDR 9300 Max Series | U.2 | Micron   | 2.5" | SFF8639(NVMe) | 3.2TB   | PCIe Gen3 x4 |                         |  |  |
| SSDPF2KX038TZ D7-P5510 Series | U.2 | Intel    | 2.5" | SFF8639(NVMe) | 3.84TB  | PCIe Gen4 x4 |                         |  |  |

**U.3**

| Product Name | Type | Vendor | Form Factor | Interface | Capacity | Interface Speed | Note |  |  |
|--------------|------|--------|-------------|-----------|----------|-----------------|------|--|--|
|--------------|------|--------|-------------|-----------|----------|-----------------|------|--|--|

**U.3**

|                               |     |        |          |               |        |              |  |  |  |
|-------------------------------|-----|--------|----------|---------------|--------|--------------|--|--|--|
| MTFDKCB7T6TFR 7450 Pro Series | U.3 | Micron | 2.5" 7mm | SFF8639(NVMe) | 7.68TB | PCIe Gen4 x4 |  |  |  |
| MTFDKCB7T6TDZ 7400 Pro Series | U.3 | Micron | 2.5"     | SFF8639(NVMe) | 7.68TB | PCIe Gen4 x4 |  |  |  |
| MTFDKCC6T4TFC 7400 Max Series | U.3 | Micron | 2.5"     | SFF8639(NVMe) | 6.4TB  | PCIe Gen4 x4 |  |  |  |
| KCM61RUL3T84 CM6-R Series     | U.3 | KIOXIA | 2.5"     | SFF8639(NVMe) | 3.84TB | PCIe Gen4 x4 |  |  |  |
| KCD61LUL1T92 CD6-R Series     | U.3 | KIOXIA | 2.5"     | SFF8639(NVMe) | 1.92TB | PCIe Gen4 x4 |  |  |  |
| KCD61LUL3T84 CD6-R Series     | U.3 | KIOXIA | 2.5"     | SFF8639(NVMe) | 3.84TB | PCIe Gen4 x4 |  |  |  |
| KCM61RUL960G CM6-R Series     | U.3 | KIOXIA | 2.5"     | SFF8639(NVMe) | 960GB  | PCIe Gen4 x4 |  |  |  |



**M.2 Expansion PCIe Card**

| Product Name | Type | Vendor   | Form Factor | Interface  | Max. Channels | Interface Speed | Note |
|--------------|------|----------|-------------|------------|---------------|-----------------|------|
| CMT4034      | PCIe | Gigabyte | 22110       | PCIe(NVMe) | 4             | PCIe Gen3 x16   | -    |

**RAID Cards**

| Model                               | RAID-on-Chip Controller              | Host Bus Type | Internal Ports | Internal Connectors      | External Ports | External Connectors | Data Transfer Rates   | Note |
|-------------------------------------|--------------------------------------|---------------|----------------|--------------------------|----------------|---------------------|-----------------------|------|
| LSI Tri-mode card                   |                                      |               |                |                          |                |                     |                       |      |
| MegaRAID SAS 9460-16i with Tri-mode | SAS3516 dual-core RAID-on-Chip (ROC) | PCIe Gen3 x8  | 16             | 4 x Mini-SAS HD SFF-8643 | -              | -                   | Up to 12Gb/s per port |      |
| MegaRAID 9560-16i with Tri-mode     | SAS3916 Tri-Mode RAID-on-Chip (ROC)  | PCIe Gen4 x8  | 16             | 2 x8 SlimSAS SFF-8654    | -              | -                   | Up to 12Gb/s per port |      |

**LAN Cards**

| Product Name   | Connector | System Interface Type | # of Ports | System Interface Type | Data rate                 | Note |
|--|-----------|-----------------------|------------|-----------------------|---------------------------|------|
| GIGABYTE LAN Cards                                   |           |                       |            |                       |                           |      |
| CLN4831  | SFP+      | PCIe x8 Gen2 x8       | Single     | 10Gb/s per port       | INTEL 82599EN             |      |
| CLN4832  | SFP+      | PCIe x8 Gen2 x8       | Dual       | 10Gb/s per port       | INTEL 82599ES             |      |
| CLN4751  | QSFP+     | PCIe x8 Gen3 x8       | Single     | 40Gb/s per port       | INTEL XL710               |      |
| CLN4752  | QSFP+     | PCIe x8 Gen3 x8       | Dual       | 40Gb/s per port       | INTEL XL710               |      |
| CLN4121  | RJ-45     | PCIe x4 Gen3 x4       | single     | 10Gb/s per port       | INTEL X550-AT             |      |
| CLN4224  | RJ-45     | PCIe x8 Gen3 x4       | Quad       | 10Gb/s per port       | INTEL X550-AT2            |      |
| CLN4M34  | SFP28     | PCIe Gen3 x16         | Quad       | 10Gb/s per port       | Mellanox ConnectX-4       |      |
| Intel_10GbE  |           |                       |            |                       |                           |      |
| Intel® Ethernet Converged Network Adapter X550-T2    | RJ-45     | PCIe v3.0 (8.0 GT/s)  | Dual       | 10Gb/s per port       |                           |      |
| Intel® Ethernet Converged Network Adapter X710-DA2   | SFP+      | PCIe v3.0 (8.0 GT/s)  | Dual       | 10Gb/s per port       |                           |      |
| Intel® Ethernet Network Adapter X722-DA4             | SFP+      | PCIe v3.0 (8.0 GT/s)  | Quad       | 10Gb/s per port       |                           |      |
| Intel_40GbE  |           |                       |            |                       |                           |      |
| Intel® Ethernet Network Adapter XXV710-DA2           | SFP28     | PCIe v3.0 (8.0 GT/s)  | Dual       | 25Gb/s per port       |                           |      |
| Intel® Ethernet Converged Network Adapter XL710-QDA2 | QSFP+     | PCIe v3.0 (8.0 GT/s)  | Dual       | 40Gb/s per port       |                           |      |
| Mellanox ConnectX                                    |           |                       |            |                       |                           |      |
| MCX516A-CCAT   | QSFP28    | PCIe Gen3 x16         | Dual       | 100Gb/s per port      | Mellanox ConnectX-5 EN    |      |
| MCX515A-CCAT   | QSFP28    | PCIe Gen3 x16         | Single     | 100Gb/s per port      | Mellanox ConnectX-5 EN    |      |
| MCX4121A-ACAT  | SFP28     | PCIe Gen3 x8          | Dual       | 25Gb/s per port       | Mellanox ConnectX-4 Lx EN |      |
| MCX4121A-XCAT  | SFP28     | PCIe Gen3 x8          | Dual       | 10Gb/s per port       | Mellanox ConnectX-4 Lx EN |      |
| MCX516A-GCAT   | QSFP28    | PCIe Gen3 x16         | Dual       | 50Gb/s per port       | Mellanox ConnectX-5 EN    |      |
| MCX516A-CDAT   | QSFP28    | PCIe 4.0 x16          | Dual       | 100Gb/s per port      | Mellanox ConnectX-5 Ex EN |      |
| MCX516A-BDAT   | QSFP28    | PCIe 4.0 x16          | Dual       | 40Gb/s per port       | Mellanox ConnectX-5 Ex EN |      |

|  |        |                              |          |                  |  |  |  |  |  |
|--|--------|------------------------------|----------|------------------|--|--|--|--|--|
| MCX631102AN-ADAT                               | SFP28  | PCIe Gen4 x8                 | Dual     | 25Gb/s per port  | ConnectX®-6 Dx without Crypto                    |  |  |  |  |
| Mellanox VPI Adapter Cards                     |        |                              |          |                  |  |  |  |  |  |
| MCX653436A-HDAI                                | QSFP56 | OC <del>P</del> PCIe 4.0 x16 | Dual     | 200Gb/s per port | Mellanox ConnectX-6 Ex VPI (InfiniBand) / OCP3.0 |  |  |  |  |
| MCX653106A-HDAT                                | QSFP56 | PCIe 4.0 x16                 | Dual     | 200Gb/s per port | Mellanox ConnectX-6 Ex VPI (InfiniBand)          |  |  |  |  |
| MCX653105A-ECAT                                | QSFP56 | PCIe 4.0 x16                 | Single   | 100Gb/s per port | Mellanox ConnectX-6 Ex VPI (InfiniBand)          |  |  |  |  |
| MCX555A-ECAT                                   | QSFP28 | PCIe 3.0 x16                 | Single   | 100Gb/s per port | Mellanox ConnectX-5 VPI (InfiniBand)             |  |  |  |  |
| MCX654106A-HCAT                                | QSFP56 | PCIe 3.0 x16                 | Dual     | 200Gb/s per port | Mellanox ConnectX-6 Ex VPI (InfiniBand)          |  |  |  |  |
| MCX653105A-HDAT                                | QSFP56 | PCIe 4.0 x16                 | Single   | 200Gb/s per port | Mellanox ConnectX-6 Ex VPI (InfiniBand)          |  |  |  |  |
| MCX653106A-ECAT                                | QSFP56 | PCIe 4.0 x16                 | Dual     | 100Gb/s per port | Mellanox ConnectX-6 Ex VPI (InfiniBand)          |  |  |  |  |
| MCX556A-EDAT                                   | QSFP28 | PCIe 4.0 x16                 | Dual     | 100Gb/s per port | Mellanox ConnectX-5 Ex VPI (InfiniBand)          |  |  |  |  |
| MCX556A-ECAT                                   | QSFP28 | PCIe3.0 x16                  | Dual     | EDR IB (100Gb/s) | Mellanox ConnectX®-5 VPI EDR IB (InfiniBand)     |  |  |  |  |
| MCX613106A-VDAT                                | QSFP56 | PCIe Gen4 x16                | Dual     | 200Gb/s per port | Mellanox ConnectX-6 EN                           |  |  |  |  |
| Solarflare Onload Server Adapters              |        |                              |          |                  |  |  |  |  |  |
| SFN8522-PLUS                                   | QSFP+  | PCIe 3.1 x8                  | Dual     | 10Gb/s per port  |  |  |  |  |  |
| (Mellanox) NVIDIA BlueField-2 DPU Cards        |        |                              |          |                  |  |  |  |  |  |
| MBF2M345A-HESOT                                | QSFP56 | PCIe Gen4 x16                | Single   | 200Gb/s per port | E-Series/ 2.0GHz                                 |  |  |  |  |
| Qlogic LAN Adapters                            |        |                              |          |                  |  |  |  |  |  |
| QL45611HLCU                                    | QSFP28 | PCIe x16 Gen3 x16            | Single   | 100Gb/s per port |  |  |  |  |  |
| QLE3442-RJ-CK                                  | RJ-45  | PCIe x8 Gen3 x8              | Dual     | 10Gb/s per port  |  |  |  |  |  |
| Broadcom (Emulex) Ethernet Networking Adapters |        |                              |          |                  |  |  |  |  |  |
| BCM957508-P2100G                               | QSFP56 | PCIe 4.0 x16                 | Dual     | 100Gb/s per port | BCM57508   |  |  |  |  |
| BCM957414A4142CC                               | SFP28  | PCIe 3.0 x8                  | Dual     | 25Gb/s per port  | BCM57414   |  |  |  |  |
| BCM957416A4160C                                | RJ-45  | PCIe 3.0 x8                  | Dual     | 10Gb/s per port  | BCM5741 (P210TP)                                 |  |  |  |  |
| Broadcom FC Host Bus Adapter                   |        |                              |          |                  |  |  |  |  |  |
| LPe32002-M2                                    | SFP+   | PCIe 3.0 x8                  | Dual     | 32Gb/s per port  | XE501 controller                                 |  |  |  |  |
| LPe31002-M6                                    | SFP+   | PCIe Gen3 x8                 | Dual     | 16Gb/s per port  | XE501 controller                                 |  |  |  |  |
| <b>USB Device</b>                              |        |                              |          |                  |  |  |  |  |  |
| Product Name                                   | Type   | Vendor                       | Capacity | Note             |  |  |  |  |  |
| USB 3.0  |        |                              |          |                  |  |  |  |  |  |
| PURE CLASSIC X176B1FWBO75                      | HDD    | Gigabyte                     | 500G     |                  |  |  |  |  |  |
| GoFlex STAA500305                              | HDD    | Seagate                      | 500G     |                  |  |  |  |  |  |

|                      |        |              |      |  |  |  |  |  |  |  |
|----------------------|--------|--------------|------|--|--|--|--|--|--|--|
| TOSHIBA CANVIO BASIC | HDD    | Toshiba      | 500G |  |  |  |  |  |  |  |
| NA317U+              | Device | ineo         |      |  |  |  |  |  |  |  |
| SST-TS13             | Device | Silver Stone |      |  |  |  |  |  |  |  |
| S1-DS3-Plus          | Device | CyberSLIM    |      |  |  |  |  |  |  |  |
| MB981U3-1S           | Device | ICYDOCK      |      |  |  |  |  |  |  |  |
| i310-SB3(6G)         | Device | STARDOM      |      |  |  |  |  |  |  |  |