

**"R272-Z31-A00" Qualification Vender List**  
**If you use the device below the orange block, please contact FAE.**

| 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              | 2.30                      | 3.40                           | 225W        | 225W/240W           | DDR4-3200    |
| AMD 7552 100-000000076  | ROME      | SP3     | B0 PR    | 192MB    | 48 / 96              | 2.20                      | 3.30                           | 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              | 3.00                      | 3.30                           | 155W        | 155W/180W           | DDR4-3200    |
| AMD 7282 100-000000078  | ROME      | SP3     | B0 PR    | 64MB     | 16 / 32              | 2.80                      | 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               | 3.10                      | 3.20                           | 120W        | 120W/150W           | DDR4-3200    |
| AMD 7702P 100-000000047 | ROME      | SP3     | B0 PR    | 256MB    | 64 / 128             | 2.00                      | 3.35                           | 200W        | 165W/200W           | DDR4-3200    |
| AMD 7502P 100-000000045 | ROME      | SP3     | B0 PR    | 128MB    | 32 / 64              | 2.50                      | 3.35                           | 180W        | 165W/200W           | DDR4-3200    |
| AMD 7402P 100-000000048 | ROME      | SP3     | B0 PR    | 128MB    | 24 / 48              | 2.80                      | 3.35                           | 180W        | 165W/200W           | DDR4-3200    |
| AMD 7302P 100-000000049 | ROME      | SP3     | B0 PR    | 128MB    | 16 / 32              | 3.00                      | 3.30                           | 155W        | 155W/180W           | DDR4-3200    |
| AMD 7232P 100-000000081 | ROME      | SP3     | B0 PR    | 32MB     | 8 / 16               | 3.10                      | 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 7713P 100-000000337 | Milan     | SP3     | PR       | 256MB    | 64 / 128             | 2.00                      | 3.675                          | 225W        | 225W/240W           | DDR4-3200    |
| AMD 7543P 100-000000341 | Milan     | SP3     | PR       | 256MB    | 32 / 64              | 2.80                      | 3.70                           | 225W        | 225W/240W           | DDR4-3200    |
| AMD 7443P 100-000000342 | Milan     | SP3     | PR       | 128MB    | 24 / 48              | 2.85                      | 4.00                           | 200W        | 165W/200W           | DDR4-3200    |
| AMD 7313P 100-000000339 | Milan     | SP3     | PR       | 128MB    | 16 / 32              | 3.00                      | 3.70                           | 155W        | 155W/180W           | DDR4-3200    |

Memory

| Product Name            | Memory Type | Module Supplier | Size | Chip Brand      | Rank | Voltage | Data Transfer Rate | Error Correction | CAS Latency | Pins    |
|-------------------------|-------------|-----------------|------|-----------------|------|---------|--------------------|------------------|-------------|---------|
| RDIMM                   |             |                 |      |                 |      |         |                    |                  |             |         |
| 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 |
| KSM29RD4/32HDR          | DDR4        | Kingston        | 32GB | SKhyniux-Rambus | 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 |
| 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.2G9E2UG  | DDR4        | Micron          | 32GB | Micron-Rambus   | 2Rx4 | 1.2v    | 2933MHz            | ECC Registered   | 21          | 288-pin |
| HMA82GR7CJR8N-WM T4     | DDR4        | SKhynix         | 16GB | SKhynix-Montage | 2Rx8 | 1.2v    | 2933MHz            | ECC Registered   | 21          | 288-pin |
| HMA84GR7CJR4N-WM TG     | DDR4        | SKhynix         | 32GB | SKhynix-IDT     | 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 |
| CT8G4RFS8293.9FE1       | DDR4        | CRUCIAL         | 8GB  | Micron          | 1Rx8 | 1.2v    | 2933MHz            | ECC Registered   | 21          | 288-pin |
| CT8G4RFS8293-2G9E1.001  | DDR4        | CRUCIAL         | 8GB  | Micron          | 1Rx8 | 1.2v    | 2933MHz            | ECC Registered   | 21          | 288-pin |
| MTA9ASF1G72PZ.2G9E1VG   | DDR4        | Micron          | 8GB  | Micron-IDT      | 1Rx8 | 1.2v    | 2933MHz            | ECC Registered   | 21          | 288-pin |
| MTA9ASF1G72PZ.2G9E1UG   | DDR4        | Micron          | 8GB  | Micron-Rambus   | 1Rx8 | 1.2v    | 2933MHz            | ECC Registered   | 21          | 288-pin |
| MTA9ASF1G72PZ.2G9E1TI   | DDR4        | Micron          | 8GB  | Micron-Montage  | 1Rx8 | 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 |
| HMA81GR7CJR8N-WM TG     | DDR4 | SKhynix  | 8GB  | SKhynix-IDT    | 1Rx8 | 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 |
| KSM29RD8/16MEI          | DDR4 | Kingston | 16GB | Micron-IDT     | 2Rx8 | 1.2v | 2933MHz | ECC Registered | 21 | 288-pin |
| KSM29RD4/32MEI          | DDR4 | Kingston | 32GB | Micron-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 |
| 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 |
| MTA36ASF4G72PZ-2G9J3TI  | DDR4 | Micron   | 32GB | Micron-Montage | 2Rx4 | 1.2v | 2933MHz | ECC Registered | 21 | 288-pin |
| KSM29RD8/16HDR          | DDR4 | Kingston | 16GB | SKhynix-Rambus | 2Rx8 | 1.2v | 2933MHz | ECC Registered | 21 | 288-pin |
| KSM32RD8/16HDR          | DDR4 | Kingston | 16GB | SKhynix-Rambus | 2Rx8 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| M393A8G40AB2-CWEBO      | 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 |
| 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 |
| MTA18ASF2G72PDZ-3G2E1UK  | DDR4 | Micron  | 16GB | Micron-Rambus   | 2Rx8 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| CT32G4RFD432A.36FE2<br><b>(3200MHz only support on 1DPC)</b>     | DDR4 | Crucial | 32GB | Micron-Montage  | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| CT32G4RFD432A-3G2E2.001<br><b>(3200MHz only support on 1DPC)</b> | DDR4 | Crucial | 32GB | Micron-Montage  | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA36ASF4G72PZ.3G2E2TG<br><b>(3200MHz only support on 1DPC)</b>  | 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-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 |

|   |      |          |       |                 |        |      |         |                |    |         |
|---|------|----------|-------|-----------------|--------|------|---------|----------------|----|---------|
| KSM32RD8/16MEI  | DDR4 | Kingston | 16GB  | Micron-IDT      | 2Rx8   | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| KSM32RD4/32MEI  | DDR4 | Kingston | 32GB  | Micron-IDT      | 2Rx4   | 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><b>(3200MHz only support on 1DPC)</b> | 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 |
| 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 |
| 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 |
| MTA18ASF2G72PZ-3G2E2TI                                      | DDR4 | Micron   | 16GB  | Micron-Montage  | 1Rx4   | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA18ASF2G72PDZ-3G2J3UI                                     | DDR4 | Micron   | 16GB  | Micron-Rambus   | 2Rx8   | 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 |
| AD4R3200716G22-BHYA   | DDR4 | ADATA    | 16GB  | SKhynix-Montage | 1Rx8   | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| KSM32RD4/32HDR  | DDR4 | Kingston | 32GB  | SKhynix-Rambus  | 2Rx4   | 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 |
| HMAA8GR7CJR4N-XN TG   | DDR4 | SKhynix  | 64GB  | SKhynix-IDT     | 2Rx4   | 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 |

|   |      |          |             |               |          |                 |                                       |                |      |            |
|---|------|----------|-------------|---------------|----------|-----------------|---------------------------------------|----------------|------|------------|
| 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    |
| M386AAG40MMB-CVFC0                                      | DDR4 | Samsung  | 128GB       | Samsung       | 4DRx4    | 1.2v            | 2933MHz                               | ECC Registered | 21   | 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    |
| <b>Seagate HDD (SAS HDD may need RAID Card support)</b> |      |          |             |               |          |                 |                                       |                |      |            |
| Product Name  | Type | Vendor   | Form Factor | Format        | Capacity | Interface Speed | Series                                | Cache          | RPM  | Encryption |
| Seagate Enterprise Capacity 2.5 HDD                     |      |          |             |               |          |                 |                                       |                |      |            |
| ST1000NX0303  | SATA | Seagate  | 2.5"        | 4Kn           | 1TB      | 6Gb/s           | EXOS 7E2000                           | 128MB          | 7200 | N/A        |
| ST2000NX0243  | SATA | Seagate  | 2.5"        | 4Kn           | 2TB      | 6Gb/s           | Exos 7E2000 (Enterprise Capacity V.3) | 128MB          | 7200 | N/A        |
| 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        |
| <b>SATA/SAS SSD</b>                                     |      |          |             |               |          |                 |                                       |                |      |            |
| Product Name  | Type | Vendor   | Form Factor | Interface     | Capacity | Interface Speed | FW                                    |                |      | Note       |
| SATA/SAS SSD  |      |          |             |               |          |                 |                                       |                |      |            |
| XA960LE10063  | SSD  | Seagate  | 2.5"        | SATA          | 960GB    | 6Gb/s           |                                       |                |      |            |
| XA480LE10063  | SSD  | Seagate  | 2.5"        | SATA          | 480GB    | 6Gb/s           |                                       |                |      |            |
| MTFDDAK1T9TDD-1AT1ZABYY (5200 PRO)                      | SSD  | Micron   | 2.5"        | SATA          | 1.92TB   | 6Gb/s           |                                       |                |      |            |
| MTFDDAK1T9TDN-1AT1ZABYY (5200 MAX)                      | 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           |                                       |                |      |            |
| SRE100-960G00210000                                     | SSD  | Phison   | 2.5"        | SATA          | 960GB    | 6Gb/s           |                                       |                |      |            |
| SRE100-480G00210000                                     | SSD  | Phison   | 2.5"        | SATA          | 480GB    | 6Gb/s           |                                       |                |      |            |
| MZ7LH3T8HMLT PM883 Series                               | SSD  | Samsung  | 2.5"        | SATA          | 3.84TB   | 6Gb/s           |                                       |                |      |            |
| MZ7LH480HAHQ PM883 Series                               | SSD  | Samsung  | 2.5"        | SATA          | 480GB    | 6Gb/s           |                                       |                |      |            |
| ASR1100SS-240GT-B                                       | SSD  | Adata    | 2.5"        | SATA          | 240GB    | 6Gb/s           |                                       |                |      |            |
| SEDC500M/3840G DC500M Series                            | SSD  | Kingston | 2.5"        | SATA          | 3.84TB   | 6Gb/s           |                                       |                |      |            |
| SEDC500M/1920G DC500M Series                            | SSD  | Kingston | 2.5"        | SATA          | 1.92TB   | 6Gb/s           |                                       |                |      |            |
| SEDC500M/960G DC500M Series                             | SSD  | Kingston | 2.5"        | SATA          | 960GB    | 6Gb/s           |                                       |                |      |            |
| SEDC500M/480G DC500M Series                             | SSD  | Kingston | 2.5"        | SATA          | 480GB    | 6Gb/s           |                                       |                |      |            |
| KHK61RSE960G  | SSD  | Toshiba  | 2.5"        | SATA          | 960GB    | 6Gb/s           |                                       |                |      |            |
| MZ-7LH1T9NE 883 DCT Series                              | SSD  | Samsung  | 2.5"        | SATA          | 1.92TB   | 6Gb/s           | HXT7404Q                              |                |      |            |
| ASR1100SS-240GT-B                                       | SSD  | Adata    | 2.5"        | SATA          | 240GB    | 6Gb/s           |                                       |                |      |            |
| KHK61RSE960G  | SSD  | Toshiba  | 2.5"        | SATA          | 960GB    | 6Gb/s           |                                       |                |      |            |
| SEDC500M/3840G DC500M Series                            | SSD  | Kingston | 2.5"        | SATA          | 3.84TB   | 6Gb/s           |                                       |                |      |            |
| SEDC500M/1920G DC500M Series                            | SSD  | Kingston | 2.5"        | SATA          | 1.92TB   | 6Gb/s           |                                       |                |      |            |
| SEDC500M/960G DC500M Series                             | SSD  | Kingston | 2.5"        | SATA          | 960GB    | 6Gb/s           |                                       |                |      |            |
| SEDC500M/480G DC500M Series                             | SSD  | Kingston | 2.5"        | SATA          | 480GB    | 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           |                                       |                |      |            |

| Product Name   | Type                                    | Vendor                    | Form Factor    | Interface                                  | Capacity       | Interface Speed                  | FW                    | Note |              |      |        |             |           |          |                 |    |      |   |      |       |           |            |     |   |  |  |   |      |         |           |            |       |   |  |  |   |      |         |           |            |       |   |  |  |                                   |     |     |      |            |     |   |  |  |              |     |         |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                          |     |     |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |
|--|---|---------------------------|----------------|--|----------------|----------------------------------|-----------------------|------|--------------|------|--------|-------------|-----------|----------|-----------------|----|------|---|------|-------|-----------|------------|-----|---|--|--|---|------|---------|-----------|------------|-------|---|--|--|---|------|---------|-----------|------------|-------|---|--|--|-----------------------------------|-----|-----|------|------------|-----|---|--|--|--------------|-----|---------|------|------------|-------|---|--|--|----------------|-----|-------|------|------------|-------|---|--|--|----------------|-----|-------|------|------------|-------|---|--|--|--------------------------|-----|-----|------|------------|-------|---|--|--|-----------------|-----|-------|------|------------|-------|---|--|--|-----------------|-----|-------|------|------------|-------|---|--|--|
| <b>SSB1K9GTLGC-D2-SME520GBT SME520 Series</b>  |   |                           |                |  |                |                                  |                       |      |              |      |        |             |           |          |                 |    |      |   |      |       |           |            |     |   |  |  |   |      |         |           |            |       |   |  |  |   |      |         |           |            |       |   |  |  |                                   |     |     |      |            |     |   |  |  |              |     |         |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                          |     |     |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |
| SSD Phison 2.5" SATA 1.92TB 6Gb/s  |   |                           |                |  |                |                                  |                       |      |              |      |        |             |           |          |                 |    |      |   |      |       |           |            |     |   |  |  |   |      |         |           |            |       |   |  |  |   |      |         |           |            |       |   |  |  |                                   |     |     |      |            |     |   |  |  |              |     |         |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                          |     |     |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |
| <b>PCIe SSD</b>  |   |                           |                |  |                |                                  |                       |      |              |      |        |             |           |          |                 |    |      |   |      |       |           |            |     |   |  |  |   |      |         |           |            |       |   |  |  |   |      |         |           |            |       |   |  |  |                                   |     |     |      |            |     |   |  |  |              |     |         |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                          |     |     |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |
| <table border="1"> <thead> <tr> <th>Product Name</th> <th>Type</th> <th>Vendor</th> <th>Form Factor</th> <th>Interface</th> <th>Capacity</th> <th>Interface Speed</th> <th>FW</th> <th>Note</th> </tr> </thead> <tbody> <tr> <td>SSDPEDKX040T701 P4500 Series PCIe Gen3 x4 4TB</td> <td>PCIe</td> <td>Intel</td> <td>PCI-E 3.0</td> <td>PCIe(NVMe)</td> <td>4TB</td> <td>-</td> <td></td> <td></td> </tr> <tr> <td>Samsung PM1725b MZPLL3T2HAJQ PCIe Gen3 x8 3.2TB</td> <td>PCIe</td> <td>Samsung</td> <td>PCI-E 3.0</td> <td>PCIe(NVMe)</td> <td>3.2TB</td> <td>-</td> <td></td> <td></td> </tr> <tr> <td>Netlist N1951 E3 NS1951AH33T2 Gen3 x8 3.2TB</td> <td>PCIe</td> <td>Netlist</td> <td>PCI-E 3.0</td> <td>PCIe(NVMe)</td> <td>3.2TB</td> <td>-</td> <td></td> <td></td> </tr> </tbody> </table>  |   |                           |                |  |                |                                  |                       |      | Product Name | Type | Vendor | Form Factor | Interface | Capacity | Interface Speed | FW | Note | SSDPEDKX040T701 P4500 Series PCIe Gen3 x4 4TB | PCIe | Intel | PCI-E 3.0 | PCIe(NVMe) | 4TB | - |  |  | 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 | - |  |  |                                   |     |     |      |            |     |   |  |  |              |     |         |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                          |     |     |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |
| Product Name   | Type                                    | Vendor                    | Form Factor    | Interface                                  | Capacity       | Interface Speed                  | FW                    | Note |              |      |        |             |           |          |                 |    |      |   |      |       |           |            |     |   |  |  |   |      |         |           |            |       |   |  |  |   |      |         |           |            |       |   |  |  |                                   |     |     |      |            |     |   |  |  |              |     |         |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                          |     |     |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |
| SSDPEDKX040T701 P4500 Series PCIe Gen3 x4 4TB  | PCIe                                    | Intel                     | PCI-E 3.0      | PCIe(NVMe)                                 | 4TB            | -                                |                       |      |              |      |        |             |           |          |                 |    |      |   |      |       |           |            |     |   |  |  |   |      |         |           |            |       |   |  |  |   |      |         |           |            |       |   |  |  |                                   |     |     |      |            |     |   |  |  |              |     |         |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                          |     |     |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |
| 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          | -                                |                       |      |              |      |        |             |           |          |                 |    |      |   |      |       |           |            |     |   |  |  |   |      |         |           |            |       |   |  |  |   |      |         |           |            |       |   |  |  |                                   |     |     |      |            |     |   |  |  |              |     |         |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                          |     |     |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |
| <b>M.2</b>   |   |                           |                |  |                |                                  |                       |      |              |      |        |             |           |          |                 |    |      |   |      |       |           |            |     |   |  |  |   |      |         |           |            |       |   |  |  |   |      |         |           |            |       |   |  |  |                                   |     |     |      |            |     |   |  |  |              |     |         |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                          |     |     |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |
| <table border="1"> <thead> <tr> <th>Product Name</th> <th>Type</th> <th>Vendor</th> <th>Form Factor</th> <th>Interface</th> <th>Capacity</th> <th>Interface Speed</th> <th>FW</th> <th>Note</th> </tr> </thead> <tbody> <tr> <td colspan="9" style="text-align: center;"><b>M.2</b></td> </tr> <tr> <td>SSDPEKKA010T801 P4101 Series 1TB</td> <td>M.2</td> <td>Intel</td> <td>2280</td> <td>PCIe(NVMe)</td> <td>1TB</td> <td>-</td> <td></td> <td></td> </tr> <tr> <td>SSDPEKKA256G801 P4101 Series 256GB</td> <td>M.2</td> <td>Intel</td> <td>2280</td> <td>PCIe(NVMe)</td> <td>256GB</td> <td>-</td> <td></td> <td></td> </tr> <tr> <td>AF1TSMJA-YT1 ATP N600c Series 1TB</td> <td>M.2</td> <td>ATP</td> <td>2280</td> <td>PCIe(NVMe)</td> <td>1TB</td> <td>-</td> <td></td> <td></td> </tr> <tr> <td>MZVPV512HDGL</td> <td>M.2</td> <td>Samsung</td> <td>2280</td> <td>PCIe(NVMe)</td> <td>512GB</td> <td>-</td> <td></td> <td></td> </tr> <tr> <td>IM2P33F8-256GD</td> <td>M.2</td> <td>ADATA</td> <td>2280</td> <td>PCIe(NVMe)</td> <td>256GB</td> <td>-</td> <td></td> <td></td> </tr> <tr> <td>IM2P33F8-512GD</td> <td>M.2</td> <td>ADATA</td> <td>2280</td> <td>PCIe(NVMe)</td> <td>512GB</td> <td>-</td> <td></td> <td></td> </tr> <tr> <td>AF960GSTJA-YT1 ATP 960GB</td> <td>M.2</td> <td>ATP</td> <td>2280</td> <td>PCIe(NVMe)</td> <td>960GB</td> <td>-</td> <td></td> <td></td> </tr> <tr> <td>IM2P33F8-512GD1</td> <td>M.2</td> <td>ADATA</td> <td>2280</td> <td>PCIe(NVMe)</td> <td>512GB</td> <td>-</td> <td></td> <td></td> </tr> <tr> <td>IM2P33F8-256GD1</td> <td>M.2</td> <td>ADATA</td> <td>2280</td> <td>PCIe(NVMe)</td> <td>256GB</td> <td>-</td> <td></td> <td></td> </tr> </tbody> </table> |   |                           |                |  |                |                                  |                       |      | Product Name | Type | Vendor | Form Factor | Interface | Capacity | Interface Speed | FW | Note | <b>M.2</b>                                    |      |       |           |            |     |   |  |  | SSDPEKKA010T801 P4101 Series 1TB                | M.2  | Intel   | 2280      | PCIe(NVMe) | 1TB   | - |  |  | SSDPEKKA256G801 P4101 Series 256GB          | M.2  | Intel   | 2280      | PCIe(NVMe) | 256GB | - |  |  | AF1TSMJA-YT1 ATP N600c Series 1TB | M.2 | ATP | 2280 | PCIe(NVMe) | 1TB | - |  |  | MZVPV512HDGL | M.2 | Samsung | 2280 | PCIe(NVMe) | 512GB | - |  |  | 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 | - |  |  | IM2P33F8-512GD1 | M.2 | ADATA | 2280 | PCIe(NVMe) | 512GB | - |  |  | IM2P33F8-256GD1 | M.2 | ADATA | 2280 | PCIe(NVMe) | 256GB | - |  |  |
| Product Name   | Type                                    | Vendor                    | Form Factor    | Interface                                  | Capacity       | Interface Speed                  | FW                    | Note |              |      |        |             |           |          |                 |    |      |   |      |       |           |            |     |   |  |  |   |      |         |           |            |       |   |  |  |   |      |         |           |            |       |   |  |  |                                   |     |     |      |            |     |   |  |  |              |     |         |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                          |     |     |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |
| <b>M.2</b>   |   |                           |                |  |                |                                  |                       |      |              |      |        |             |           |          |                 |    |      |   |      |       |           |            |     |   |  |  |   |      |         |           |            |       |   |  |  |   |      |         |           |            |       |   |  |  |                                   |     |     |      |            |     |   |  |  |              |     |         |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                          |     |     |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |
| SSDPEKKA010T801 P4101 Series 1TB   | M.2                                     | Intel                     | 2280           | PCIe(NVMe)                                 | 1TB            | -                                |                       |      |              |      |        |             |           |          |                 |    |      |   |      |       |           |            |     |   |  |  |   |      |         |           |            |       |   |  |  |   |      |         |           |            |       |   |  |  |                                   |     |     |      |            |     |   |  |  |              |     |         |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                          |     |     |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |
| SSDPEKKA256G801 P4101 Series 256GB   | M.2                                     | Intel                     | 2280           | PCIe(NVMe)                                 | 256GB          | -                                |                       |      |              |      |        |             |           |          |                 |    |      |   |      |       |           |            |     |   |  |  |   |      |         |           |            |       |   |  |  |   |      |         |           |            |       |   |  |  |                                   |     |     |      |            |     |   |  |  |              |     |         |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                          |     |     |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |
| AF1TSMJA-YT1 ATP N600c Series 1TB  | M.2                                     | ATP                       | 2280           | PCIe(NVMe)                                 | 1TB            | -                                |                       |      |              |      |        |             |           |          |                 |    |      |   |      |       |           |            |     |   |  |  |   |      |         |           |            |       |   |  |  |   |      |         |           |            |       |   |  |  |                                   |     |     |      |            |     |   |  |  |              |     |         |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                          |     |     |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |
| MZVPV512HDGL   | M.2                                     | Samsung                   | 2280           | PCIe(NVMe)                                 | 512GB          | -                                |                       |      |              |      |        |             |           |          |                 |    |      |   |      |       |           |            |     |   |  |  |   |      |         |           |            |       |   |  |  |   |      |         |           |            |       |   |  |  |                                   |     |     |      |            |     |   |  |  |              |     |         |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                          |     |     |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |
| 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          | -                                |                       |      |              |      |        |             |           |          |                 |    |      |   |      |       |           |            |     |   |  |  |   |      |         |           |            |       |   |  |  |   |      |         |           |            |       |   |  |  |                                   |     |     |      |            |     |   |  |  |              |     |         |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                          |     |     |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |
| IM2P33F8-512GD1  | M.2                                     | ADATA                     | 2280           | PCIe(NVMe)                                 | 512GB          | -                                |                       |      |              |      |        |             |           |          |                 |    |      |   |      |       |           |            |     |   |  |  |   |      |         |           |            |       |   |  |  |   |      |         |           |            |       |   |  |  |                                   |     |     |      |            |     |   |  |  |              |     |         |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                          |     |     |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |
| IM2P33F8-256GD1  | M.2                                     | ADATA                     | 2280           | PCIe(NVMe)                                 | 256GB          | -                                |                       |      |              |      |        |             |           |          |                 |    |      |   |      |       |           |            |     |   |  |  |   |      |         |           |            |       |   |  |  |   |      |         |           |            |       |   |  |  |                                   |     |     |      |            |     |   |  |  |              |     |         |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                          |     |     |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |
| <b>RAID Cards</b>  |   |                           |                |  |                |                                  |                       |      |              |      |        |             |           |          |                 |    |      |   |      |       |           |            |     |   |  |  |   |      |         |           |            |       |   |  |  |   |      |         |           |            |       |   |  |  |                                   |     |     |      |            |     |   |  |  |              |     |         |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                          |     |     |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |
| Model  | RAID-on-Chip Controller                 | Host Bus Type             | Internal Ports | Internal Connectors                        | External Ports | External Connectors              | Data Transfer Rates   | Note |              |      |        |             |           |          |                 |    |      |   |      |       |           |            |     |   |  |  |   |      |         |           |            |       |   |  |  |   |      |         |           |            |       |   |  |  |                                   |     |     |      |            |     |   |  |  |              |     |         |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                          |     |     |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |
| <b>GIGABYTE Storage Cards</b>  |   |                           |                |  |                |                                  |                       |      |              |      |        |             |           |          |                 |    |      |   |      |       |           |            |     |   |  |  |   |      |         |           |            |       |   |  |  |   |      |         |           |            |       |   |  |  |                                   |     |     |      |            |     |   |  |  |              |     |         |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                          |     |     |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |
| CRA3338  | LSI SAS 3008                            | PCIe- x8 Gen3 x8 bus      | 8              | 2 xMini-SAS HD for 8x SAS                  | -              | -                                | 12Gb/s ports          |      |              |      |        |             |           |          |                 |    |      |   |      |       |           |            |     |   |  |  |   |      |         |           |            |       |   |  |  |   |      |         |           |            |       |   |  |  |                                   |     |     |      |            |     |   |  |  |              |     |         |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                          |     |     |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |
| CSA3548  | LSI SAS 3008                            | PCIe- x8 Gen3 x8 bus      | -              | -  | 8              | 2 x external Mini-SAS HD SFF8644 | 12Gb/s ports          |      |              |      |        |             |           |          |                 |    |      |   |      |       |           |            |     |   |  |  |   |      |         |           |            |       |   |  |  |   |      |         |           |            |       |   |  |  |                                   |     |     |      |            |     |   |  |  |              |     |         |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                          |     |     |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |
| CSA4648  | LSI SAS 3008                            | PCIe- x8 Gen3 x8 bus      | 8              | 2 x internal Mini-SAS HD SFF8643           | -              | -                                | 12Gb/s ports          |      |              |      |        |             |           |          |                 |    |      |   |      |       |           |            |     |   |  |  |   |      |         |           |            |       |   |  |  |   |      |         |           |            |       |   |  |  |                                   |     |     |      |            |     |   |  |  |              |     |         |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                          |     |     |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |
| CRA4448  | LSI SAS 3108                            | PCIe- x8 Gen3 x8 bus      | 8              | 2 x internal Mini-SAS HD SFF8643           | -              | -                                | 12Gb/s ports          |      |              |      |        |             |           |          |                 |    |      |   |      |       |           |            |     |   |  |  |   |      |         |           |            |       |   |  |  |   |      |         |           |            |       |   |  |  |                                   |     |     |      |            |     |   |  |  |              |     |         |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                          |     |     |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |
| CRA4648  | LSI SAS3108                             | PCIe x8 slot (3.0 x8 bus) | -              | 2 x internal Mini-SAS HD SFF8643           | 8              | -                                | 12Gb/s ports          |      |              |      |        |             |           |          |                 |    |      |   |      |       |           |            |     |   |  |  |   |      |         |           |            |       |   |  |  |   |      |         |           |            |       |   |  |  |                                   |     |     |      |            |     |   |  |  |              |     |         |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                          |     |     |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |
| CRAO438  | LSI SAS 3108                            | DCP PCIe- x8 Gen3 x8 bus  | 8              | 2 x SlimSAS ports                          | -              | -                                | 12Gb/s ports          |      |              |      |        |             |           |          |                 |    |      |   |      |       |           |            |     |   |  |  |   |      |         |           |            |       |   |  |  |   |      |         |           |            |       |   |  |  |                                   |     |     |      |            |     |   |  |  |              |     |         |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                          |     |     |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |
| CRAO338  | LSI SAS 3008                            | DCP PCIe- x8 Gen3 x8 bus  | 8              | 2 x SlimSAS ports                          | -              | -                                | 12Gb/s ports          |      |              |      |        |             |           |          |                 |    |      |   |      |       |           |            |     |   |  |  |   |      |         |           |            |       |   |  |  |   |      |         |           |            |       |   |  |  |                                   |     |     |      |            |     |   |  |  |              |     |         |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                          |     |     |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |
| CRAO358  | LSI SAS 3008                            | DCP PCIe- x8 Gen3 x8 bus  | 4              | 1 x internal SlimSAS port                  | 1              | 1 x OCuLink port                 | 12Gb/s ports          |      |              |      |        |             |           |          |                 |    |      |   |      |       |           |            |     |   |  |  |   |      |         |           |            |       |   |  |  |   |      |         |           |            |       |   |  |  |                                   |     |     |      |            |     |   |  |  |              |     |         |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                          |     |     |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |
| CRAO558  | LSI SAS 3108                            | DCP PCIe- x8 Gen3 x8 bus  | 4              | 1 x internal SlimSAS port                  | 1              | 1 x OCuLink port                 | 12Gb/s ports          |      |              |      |        |             |           |          |                 |    |      |   |      |       |           |            |     |   |  |  |   |      |         |           |            |       |   |  |  |   |      |         |           |            |       |   |  |  |                                   |     |     |      |            |     |   |  |  |              |     |         |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                          |     |     |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |
| <b>LSI RAID Controller Cards</b>   |   |                           |                |  |                |                                  |                       |      |              |      |        |             |           |          |                 |    |      |   |      |       |           |            |     |   |  |  |   |      |         |           |            |       |   |  |  |   |      |         |           |            |       |   |  |  |                                   |     |     |      |            |     |   |  |  |              |     |         |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                          |     |     |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |
| MegaRAID SAS 9460-16i  | SAS3516 dual-core RAID-on-Chip (ROC)    | x8 lane PCI Express@ 3.1  | 8              | 4 x Mini-SAS HD SFF-8643                   | -              | -                                | 12Gb/s SAS 3.0        |      |              |      |        |             |           |          |                 |    |      |   |      |       |           |            |     |   |  |  |   |      |         |           |            |       |   |  |  |   |      |         |           |            |       |   |  |  |                                   |     |     |      |            |     |   |  |  |              |     |         |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                          |     |     |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |
| MegaRAID SAS 9361-8i   | LSISAS3108 dual core RAID on Chip (ROC) | x8 lane PCI Express@ 3.0  | 8              | 2 x HD Mini-SAS SFF8643 (Horizontal mount) | -              | -                                | Up to 12Gb/s per port |      |              |      |        |             |           |          |                 |    |      |   |      |       |           |            |     |   |  |  |   |      |         |           |            |       |   |  |  |   |      |         |           |            |       |   |  |  |                                   |     |     |      |            |     |   |  |  |              |     |         |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                          |     |     |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |
| <b>LSI Host Bus Adapters (HBAs)</b>  |   |                           |                |  |                |                                  |                       |      |              |      |        |             |           |          |                 |    |      |   |      |       |           |            |     |   |  |  |   |      |         |           |            |       |   |  |  |   |      |         |           |            |       |   |  |  |                                   |     |     |      |            |     |   |  |  |              |     |         |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                          |     |     |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |
| LSI SAS 9300-8e  | SAS3008                                 | x8 lane PCI Express@ 3.0  | -              | -  | -              | -                                | 12Gb/s SAS 3.0        |      |              |      |        |             |           |          |                 |    |      |   |      |       |           |            |     |   |  |  |   |      |         |           |            |       |   |  |  |   |      |         |           |            |       |   |  |  |                                   |     |     |      |            |     |   |  |  |              |     |         |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                          |     |     |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |
| LSI SAS 9300-8i  | SAS3008                                 | x8 lane PCI Express@ 3.0  | -              | -  | -              | -                                | 12Gb/s SAS 3.0        |      |              |      |        |             |           |          |                 |    |      |   |      |       |           |            |     |   |  |  |   |      |         |           |            |       |   |  |  |   |      |         |           |            |       |   |  |  |                                   |     |     |      |            |     |   |  |  |              |     |         |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                          |     |     |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |
| LSI SAS 9400-16i   | SAS3416                                 | x8 lane PCI Express@ 3.1  | 16             | 4 x Mini-SAS HD SFF-8643                   | -              | -                                | 12Gb/s SAS 3.0        |      |              |      |        |             |           |          |                 |    |      |   |      |       |           |            |     |   |  |  |   |      |         |           |            |       |   |  |  |   |      |         |           |            |       |   |  |  |                                   |     |     |      |            |     |   |  |  |              |     |         |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                          |     |     |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |
| <b>Microsemi RAID Cards</b>  |   |                           |                |  |                |                                  |                       |      |              |      |        |             |           |          |                 |    |      |   |      |       |           |            |     |   |  |  |   |      |         |           |            |       |   |  |  |   |      |         |           |            |       |   |  |  |                                   |     |     |      |            |     |   |  |  |              |     |         |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                |     |       |      |            |       |   |  |  |                          |     |     |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |                 |     |       |      |            |       |   |  |  |

|  |           |                                  |            |                        |                  |  |                  |  |  |
|--|-----------|----------------------------------|------------|------------------------|------------------|--|------------------|--|--|
| SmartRAID 3154-16i                                   | PM8236    | 8-Lane PCIe Gen3                 | 16         | 4 x Internal, SFF-8643 | -                | -  | 12 Gb/s per port |  |  |
| Microsemi Host Bus Adapters                          |           |                                  |            |                        |                  |  |                  |  |  |
| SmartHBA 2100-8i                                     | PM8222    | 8-Lane PCIe Gen3                 | 8          | 2 x Internal, SFF-8643 | -                | -  | 12 Gb/s per port |  |  |
| <b>LAN Cards</b>                                     |           |                                  |            |                        |                  |  |                  |  |  |
| Product Name   | Connector | System Interface Type            | # of Ports | System Interface Type  | Data rate        | Note   |                  |  |  |
| GIGABYTE LAN Cards                                   |           |                                  |            |                        |                  |  |                  |  |  |
| CLNO832  | SFP+      | <b>OC</b> P PCIe x8 Gen2 x8      | Dual       |                        | 10Gb/s per port  | INTEL 82599ES Support OCP 2.0 type1          |                  |  |  |
| CLNOQ42  | SFP28     | <b>OC</b> P PCIe x8              | Dual       |                        | 25Gb/s per port  | Qlogic (Cavium) QL41401-A2G Support OCP 2.0  |                  |  |  |
| CLNO222  | RJ-45     | <b>OC</b> P PCIe Gen3 x4         | Dual       |                        | 10Gb/s per port  | INTEL X550-AT2                               |                  |  |  |
| CLN4752  | QSFP+     | PCIe x8 Gen3 x8                  | Dual       |                        | 40Gb/s per port  | INTEL XL710                                  |                  |  |  |
| CLN4224  | RJ-45     | PCIe x8 Gen3 x4                  | Quad       |                        | 10Gb/s per port  | INTEL X550-AT2                               |                  |  |  |
| CLN4832  | SFP+      | PCIe x8 Gen2 x8                  | Dual       |                        | 10Gb/s per port  | INTEL 82599ES                                |                  |  |  |
| 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_25GbE  |           |                                  |            |                        |                  |  |                  |  |  |
| Intel® Ethernet Network Adapter XXV710-DA2           | SFP28     | PCIe v3.0 (8.0 GT/s)             | Dual       |                        | 25Gb/s per port  |  |                  |  |  |
| Intel® Ethernet Network Adapter XXV710-DA2 for OCP   | SFP28     | <b>OC</b> P PCIe v3.0 (8.0 GT/s) | Dual       |                        | 25Gb/s per port  |  |                  |  |  |
| Intel_40GbE  |           |                                  |            |                        |                  |  |                  |  |  |
| Intel® Ethernet Converged Network Adapter XL710-QDA2 | QSFP+     | PCIe v3.0 (8.0 GT/s)             | Dual       |                        | 40Gb/s per port  |  |                  |  |  |
| Intel_100GbE   |           |                                  |            |                        |                  |  |                  |  |  |
| Intel® Ethernet Network Adapter E810-CQDA2           | QSFP28    | PCIe Gen4 x16                    | Dual       |                        | 100Gb/s per port |  |                  |  |  |
| Mellanox ConnectX                                    |           |                                  |            |                        |                  |  |                  |  |  |
| MCX516A-CCAT   | QSFP28    | PCIe Gen3 x16                    | Dual       |                        | 100Gb/s per port | Mellanox ConnectX-5 EN                       |                  |  |  |
| MCX516A-GCAT   | QSFP28    | PCIe Gen3 x16                    | Dual       |                        | 50Gb/s per port  | Mellanox ConnectX-5 EN                       |                  |  |  |
| MCX516A-CDAT   | QSFP28    | <b>PCIe 4.0</b> x16              | Dual       |                        | 100Gb/s per port | Mellanox ConnectX-5 Ex EN                    |                  |  |  |
| MCX516A-BDAT   | QSFP28    | <b>PCIe 4.0</b> x16              | Dual       |                        | 40Gb/s per port  | Mellanox ConnectX-5 Ex 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                    |                  |  |  |
| MCX4421A-ACQN  | SFP28     | <b>OC</b> P PCIe Gen3 x8         | Dual       |                        | 25Gb/s per port  | Mellanox ConnectX-4 Lx EN / Support OCP 2.0  |                  |  |  |
| MCX545B-ECAN   | QSFP      | <b>OC</b> P Gen3 x16             | Single     |                        | EDR IB (100Gb/s) | Mellanox ConnectX®-5 VPI EDR IB (InfiniBand) |                  |  |  |
| Mellanox VPI Adapter Cards                           |           |                                  |            |                        |                  |  |                  |  |  |
| MCX653106A-HDAT                                      | QSFP56    | <b>PCIe 4.0</b> x16              | Dual       |                        | 200Gb/s per port | Mellanox ConnectX-6 Ex VPI (InfiniBand)      |                  |  |  |
| MCX653105A-ECAT                                      | QSFP56    | <b>PCIe 4.0</b> x16              | Single     |                        | 100Gb/s per port | Mellanox ConnectX-6 Ex VPI (InfiniBand)      |                  |  |  |
| MCX653105A-HDAT                                      | QSFP56    | <b>PCIe 4.0</b> x16              | Single     |                        | 200Gb/s per port | Mellanox ConnectX-6 Ex VPI (InfiniBand)      |                  |  |  |
| MCX653106A-ECAT                                      | QSFP56    | <b>PCIe 4.0</b> 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    | PCIe 3.0 x16                     | Dual       |                        | 100Gb/s per port | Mellanox ConnectX-5 VPI (InfiniBand)         |                  |  |  |
| MCX555A-ECAT   | QSFP28    | PCIe 3.0 x16                     | Single     |                        | 100Gb/s per port | Mellanox ConnectX-5 VPI (InfiniBand)         |                  |  |  |



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|--|--------|-----------------------|----------|------------------|--|
| MCX545B-ECAN                                   | QSFP   | OCF Gen3 x16          | Single   | EDR IB (100Gb/s) | Mellanox ConnectX®-5 VPI EDR IB (InfiniBand) |
| Qlogic LAN Adapters                            |        |                       |          |                  |  |
| QL45412HLCU-CK                                 | QSFP+  | PCIe x16 Gen3 x16     | Dual     | 40Gb/s per port  |  |
| QL41212HLCU-SP                                 | SFP28  | PCIe x8 Gen3 x8       | Dual     | 25Gb/s per port  |  |
| 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                                     |
| BCM957414AA4142CC                              | SFP28  | PCIe 3.0 x8           | Dual     | 25Gb/s per port  | BCM57414                                     |
| BCM957414M4142C                                | SFP28  | OCF PCIe 3.0 x8       | Dual     | 25Gb/s per port  | BCM57414 / Support OCP 2.0 type1             |
| BCM957416A4160C                                | RJ-45  | PCIe 3.0 x8           | Dual     | 10Gb/s per port  | BCM5741 (P210TP)                             |
| BCM957416M4163C                                | RJ-45  | OCF PCIe 2.0 x8       | Dual     | 10Gb/s per port  | BCM5741 / Support OCP 2.0 (M210TP)           |
| Broadcom FC Host Bus Adapter                   |        |                       |          |                  |  |
| LPe32002-M2                                    | SFP+   | PCIe 3.0 x8           | Dual     | 32Gb/s per port  | XE501 controller                             |
| Chelsio Networking Adapters                    |        |                       |          |                  |  |
| T61100-OCP                                     | QSFP28 | OCF PCIe x16 Gen3 x16 | Single   | 100Gb/s per port | Support OCP 2.0                              |
| Solarflare Onload Server Adapters              |        |                       |          |                  |  |
| SFN8522-PLUS                                   | QSFP+  | PCIe 3.1 x8           | Dual     | 10Gb/s per port  |  |
| <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               |          |                  |  |