

"R281-Z94-A00" Qualification Vender List

Please contact FAE support for below orange blocks

| AMD CPU | | | | | | | | | | |
|------------------------|-----------|---------|----------|----------|----------------------|---------------------------|--------------------------------|--------------------------------|---------------------|----------------|
| Product Name | Code Name | Package | Stepping | L3 Cache | # of Cores / Threads | Processor Base Freq (GHz) | All Cores Boost Max Freq (GHz) | Processor Boost Max Freq (GHz) | TDP | Memory Types |
| AMD 7601 PS7601BDVIHAF | Naples | SP3 | B2 | 64MB | 32 / 64 | 2.20 | 2.70 | 3.20 / 3 | 180W | DDR4-2666 |
| AMD 7551 PS7551BDVIHAF | Naples | SP3 | B2 | 64MB | 32 / 64 | 2.00 | 2.55 | 3.00 / 3 | 180W | DDR4-2666 |
| AMD 7451 PS7451BDVHCAF | Naples | SP3 | B2 | 64MB | 24 / 48 | 2.30 | 3.20 | 3.20 / 3 | 180W | DDR4-2666 |
| AMD 7351 PS7351BEVGPAP | Naples | SP3 | B2 | 64MB | 16 / 32 | 2.40 | 2.90 | 2.90 / 2 | 155/170W | DDR4-2400/2666 |
| AMD 7501 PS7501BEVIHAF | Naples | SP3 | B2 | 64MB | 32 / 64 | 2.00 | 2.60 | 3.00 / 3 | 155/170W | DDR4-2400/2666 |
| AMD 7401 PS7401BEVHCAF | Naples | SP3 | B2 | 64MB | 24 / 48 | 2.00 | 2.80 | 3.00 / 3 | 155/170W | DDR4-2400/2666 |
| AMD 7301 PS7301BEVGPAP | Naples | SP3 | B2 | 64MB | 16 / 32 | 2.20 | 2.70 | 2.70 / 2 | 155/170W | DDR4-2400/2666 |
| AMD 7281 PS7281BEVGAAF | Naples | SP3 | B2 | 32MB | 16 / 32 | 2.10 | 2.70 | 2.70 | 155/170W | DDR4-2400/2666 |
| AMD 7261 PS7261BEV8RAF | Naples | SP3 | B2 | 64MB | 8 / 16 | 2.50 | 2.90 | 2.90 | 155/170W | DDR4-2400/2666 |
| AMD 7251 PS7251BFV8SAF | Naples | SP3 | B2 | 32MB | 8 / 16 | 2.00 | 2.90 | 2.90 / 2 | 120W | DDR4-2400 |
| AMD 7371 PS7371BDVGPAP | Naples | SP3 | B2 | 64MB | 16 / 32 | 3.10 | 3.60 | 3.80 / | 200W | DDR4-2666 |
| Product Name | Code Name | Package | Stepping | L3 Cache | # of Cores / Threads | Processor Base Freq (GHz) | Processor Boost Max Freq (GHz) | Default TDP | cTDP Min / cDTP 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 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 7542 100-000000075 | ROME | SP3 | B0 PR | 128MB | 32 / 64 | 2.90 | 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 7552 100-000000076 | ROME | SP3 | B0 PR | 192MB | 48 / 96 | 2.20 | 3.30 | 200W | 165W/200W | 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 |

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|------------------------|------|-----|-------|-------|---------|------|------|------|-----------|-----------|
| 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 |

Memory (Memory actually maximum frequency will follow memory controller's spec of CPU you used)

| Product Name | Memory Type | Module Supplier | Size | Chip Brand | Rank | Voltage | Data Transfer Rate | Error Correction | CAS Latency | Pins |
|-------------------------|-------------|-----------------|------|-----------------|--------|---------|--------------------|------------------|-------------|---------|
| RDIMM | | | | | | | | | | |
| TR416G26S419-VKA | DDR4 | V-color | 16GB | Skhynix-Inphi | 1Rx4 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |
| TR432G26D419-VKA | DDR4 | V-color | 32GB | Skhynix-Inphi | 2Rx4 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |
| CT32G4RFD4266-2G6H1.001 | DDR4 | Crucial | 32GB | Micron | 2Rx4 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |
| MTA36ASF4G72PZ-2G6H1QG | DDR4 | Micron | 32GB | Micron | 2Rx4 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |
| CT16G4RFD8266-2G6H1.001 | DDR4 | CRUCIAL | 16GB | Micron | 2Rx8 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |
| MTA18ASF2G72PDZ-2G6H1QG | DDR4 | Micron | 16GB | Micron | 2Rx8 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |
| M4R0-AGS1BCSJ | DDR4 | INNODISK | 16GB | Samsung | 2R X8 | 1.2V | 2400MHz | ECC Registered | 17 | 288-pin |
| M393A2K43BB1-CRC0Q | DDR4 | Samsung | 16GB | Samsung | 2R X8 | 1.2V | 2400MHz | ECC Registered | 17 | 288-pin |
| VP9MR2G7228JBJSB | DDR4 | Viking | 16GB | Samsung | 2R X8 | 1.2V | 2400MHz | ECC Registered | 17 | 288-pin |
| M393A2K43BB1-CTD6Q | DDR4 | Samsung | 16GB | Samsung | 2R X8 | 1.2V | 2666MHz | ECC Registered | 19 | 288-pin |
| M393A2K40CB2-CTD6Q | DDR4 | Samsung | 16GB | Samsung-Montage | 1Rx4 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |
| M393A2K40BB2-CTD | DDR4 | Samsung | 16GB | Samsung | 1Rx4 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |
| M393A4K40BB2-CTD | DDR4 | Samsung | 32GB | Samsung | 2Rx4 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |
| M393A8K40B22-CWD6Q | DDR4 | Samsung | 64GB | Samsung | 2S2Rx4 | 1.2v | 2666MHz | ECC Registered | 17 | 288-pin |
| M393A4K40CB2-CTD7Q | DDR4 | Samsung | 32GB | Samsung-IDT | 2Rx4 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |
| CT16G4RFD8266-2G6E1.001 | DDR4 | Crucial | 16GB | Micron | 2Rx8 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |
| CT16G4RFD8266.18FE1 | DDR4 | Crucial | 16GB | Micron | 2Rx8 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |
| MTA18ASF2G72PDZ-2G6E1SG | DDR4 | Micron | 16GB | Micron | 2Rx8 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |
| MTA18ASF2G72PDZ-2G6E1QG | DDR4 | Micron | 16GB | Micron-Montage | 2Rx8 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |
| CT16G4RFD8266.18FD1 | DDR4 | CRUCIAL | 16GB | Micron | 2Rx8 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |

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|-------------------------|------|----------|------|-----------------|------|------|---------|----------------|----|---------|
| CT16G4RFD8266.2G6D1 | DDR4 | CRUCIAL | 16GB | Micron | 2Rx8 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |
| CT32G4RFD4266.2G6H1.001 | DDR4 | CRUCIAL | 32GB | Micron | 2Rx4 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |
| MTA18ASF2G72PDZ-2G6D1 | DDR4 | Micron | 16GB | Micron | 2Rx8 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |
| CT32G4RFD4266.36FD1 | DDR4 | CRUCIAL | 32GB | Micron | 2Rx4 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |
| CT32G4RFD4266-2G6D1.001 | DDR4 | CRUCIAL | 32GB | Micron | 2Rx4 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |
| MTA36ASF4G72PZ.2G6D1 | DDR4 | Micron | 32GB | Micron | 2Rx4 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |
| CT32G4RFD4266.-2G6D1 | DDR4 | CRUCIAL | 32GB | Micron | 2Rx4 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |
| HMA82GR7AFR4N-VKT3 | DDR4 | SKhynix | 16GB | Skhynix-Montage | 1Rx4 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |
| HMA82GR7AFR4N-VKTF | DDR4 | SKhynix | 16GB | Skhynix-IDT | 1Rx4 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |
| HMA84GR7AFR4N-VKT3 | DDR4 | SKhynix | 32GB | Skhynix-Montage | 2Rx4 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |
| HMA84GR7AFR4N-VKTF | DDR4 | SKhynix | 32GB | Skhynix-IDT | 2Rx4 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |
| HMA84GR7CJR4N-VKT3 | DDR4 | SKhynix | 32GB | Skhynix-IDT | 2Rx4 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |
| KSM26RD4/32HAI | DDR4 | Kingston | 32GB | Skhynix-IDT | 2Rx4 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |
| KSM26RS4/16HAI | DDR4 | Kingston | 16GB | Skhynix-IDT | 1Rx4 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |
| KSM26RS8/8HAI | DDR4 | Kingston | 8GB | Skhynix-IDT | 1Rx8 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |
| CT16G4RFD4266-2G6E1.001 | DDR4 | Crucial | 16GB | Micron | 2Rx4 | 1.2V | 2666MHz | ECC Registered | 19 | 288-pin |
| MTA36ASF2G72PZ-2G6E1 | DDR4 | Micron | 16GB | Micron | 2Rx4 | 1.2V | 2666MHz | ECC Registered | 19 | 288-pin |
| CT32G4RFD4266.2G6E1.001 | DDR4 | Crucial | 32GB | Micron | 2Rx4 | 1.2V | 2666MHz | ECC Registered | 19 | 288-pin |
| CT32G4RFD4266.36FE1 | DDR4 | Crucial | 32GB | Micron | 2Rx4 | 1.2V | 2666MHz | ECC Registered | 19 | 288-pin |
| MTA36ASF4G72PZ-2G6E1 | DDR4 | Micron | 32GB | Micron | 2Rx4 | 1.2V | 2666MHz | ECC Registered | 19 | 288-pin |
| M393A2G40EB2-CTD | DDR4 | Samsung | 16GB | Samsung | 2Rx4 | 1.2V | 2666MHz | ECC Registered | 19 | 288-pin |
| M393A2K43DB2-CVFBQ | DDR4 | Samsung | 16GB | Samsung-IDT | 2Rx8 | 1.2v | 2933MHz | ECC Registered | 21 | 288-pin |
| M393A8G40AB2-CVFBY | DDR4 | Samsung | 64GB | Samsung-IDT | 2Rx4 | 1.2v | 2933MHz | ECC Registered | 21 | 288-pin |
| M393A2K40CB2-CVFBQ | DDR4 | Samsung | 16GB | Samsung-IDT | 1Rx4 | 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 |
| 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 |

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|-------------------------|------|---------|------|-----------------|------|------|---------|----------------|----|---------|
| 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 |
| 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 |
| 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 |
| M393A8G40MB2-CVFBY | DDR4 | Samsung | 64GB | Samsung-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 |
| 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 |

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|--|------|---------|------|----------------|------|------|---------|----------------|----|---------|
| 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 |
| M393A8G40AB2-CWEBQ | DDR4 | Samsung | 64GB | Samsung-IDT | 2Rx4 | 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 (3200MHz only support on 1DPC) | DDR4 | Crucial | 32GB | Micron-Montage | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| CT32G4RFD432A-3G2E2.001 (3200MHz only support on 1DPC) | DDR4 | Crucial | 32GB | Micron-Montage | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA36ASF4G72PZ.3G2E2TG (3200MHz only support on 1DPC) | DDR4 | Micron | 32GB | Micron-Montage | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| M393A2K40DB2-CWEBQ (3200MHz only support on 1DPC) | DDR4 | Samsung | 16GB | Samsung-IDT | 1Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| M393A2K43DB2-CWEBQ (3200MHz only support on 1DPC) | DDR4 | Samsung | 16GB | Samsung-IDT | 2Rx8 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |

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|---|------|----------|-------|-----------------|--------|------|---------|----------------|----|---------|
| M393A2K43DB3-CWEBQ | 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 (3200MHz only support on 1DPC) | 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 |
| KSM32RD4/32MEI | DDR4 | Kingston | 32GB | Micron-IDT | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| KSM32RD8/16MEI | DDR4 | Kingston | 16GB | Micron-IDT | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| M393A1K43DB2-CWEBQ (3200MHz only support on 1DPC) | DDR4 | Samsung | 8GB | Samsung-IDT | 1Rx8 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| CT64G4RFD432A-3G2B2.001 | DDR4 | Crucial | 64GB | Micron | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA36ASF8G72PZ.3G2B2TI | DDR4 | Micron | 64GB | Micron | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| CT32G4RFD432A-3G2E7.001 | DDR4 | Crucial | 32GB | Micron-IDT | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| CT32G4RFD432A.36FE7 | DDR4 | Crucial | 32GB | Micron-IDT | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA36ASF4G72PZ.3G2E7VI | DDR4 | Micron | 32GB | Micron-IDT | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA36ASF4G72PZ.3G2E7TI | DDR4 | Micron | 32GB | Micron-Montage | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| AD4R3200316G22-BSSC | DDR4 | ADATA | 16GB | Samsung-IDT | 2Rx8 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA18ASF4G72PDZ.3G2B2TI | DDR4 | Micron | 32GB | Micron-Montage | 2Rx8 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| 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 |
| M393AAG40M32-CAEBQ | DDR4 | Samsung | 128GB | Samsung | 2S2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA18ASF2G72PZ-3G2E2TI | DDR4 | Micron | 16GB | Micron-Montage | 1Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA9ASF2G72PZ-3G2E1TI | DDR4 | Micron | 16GB | Micron-Montage | 1Rx8 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA18ASF4G72PDZ-3G2E1UI | DDR4 | Micron | 32GB | Micron-Rambus | 2Rx8 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA36ASF8G72PZ-3G2E1VI | DDR4 | Micron | 64GB | Micron-IDT | 2Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| MTA18ASF2G72PDZ-3G2J3UI | DDR4 | Micron | 16GB | Micron-Rambus | 2Rx8 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |

| | | | | | | | | | | |
|---|------|-----------|-------------|-----------------|----------|-----------------|--|----------------|------|--------------|
| AD4R3200716G22-BHYA | DDR4 | ADATA | 16GB | SKhynix-Montage | 1Rx8 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| HMA82GR7DJR8N-XN TG | DDR4 | SKhynix | 16GB | SKhynix-IDT | 2Rx8 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| KSM32RS4/32MER | DDR4 | Kingston | 32GB | Micron-Rambus | 1Rx4 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| KSM32RS8/16MER | DDR4 | Kingston | 16GB | Micron-Rambus | 1Rx8 | 1.2v | 3200MHz | ECC Registered | 22 | 288-pin |
| LRDIMM | | | | | | | | | | |
| HMAA8GL7AMR4N-VKTF | DDR4 | SKhynix | 64GB | SKhynix | 4DRx4 | 1.2v | 2666MHz | ECC Registered | 17 | 288-pin |
| M386A8K40BM2-CTD7Q | DDR4 | Samsung | 64GB | Samsung | 4DRx4 | 1.2v | 2666MHz | ECC Registered | 17 | 288-pin |
| 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 |
| M386AAG40MMB-CVFC0 | DDR4 | Samsung | 128GB | Samsung | 4DRx4 | 1.2v | 2933MHz | ECC Registered | 21 | 288-pin |
| Seagate HDD (SAS HDD may need RAID Card support) | | | | | | | | | | |
| Product Name | Type | Vendor | Form Factor | Format | Capacity | Interface Speed | Series | Cache | RPM | Encryption |
| Seagate Enterprise Capacity 2.5 HDD | | | | | | | | | | |
| ST14000NM0018 | SATA | Seagate | 3.5" | 512e | 14TB | 6Gb/s | Exos X14 (Enterprise Capacity) | 256MB | 7200 | N/A |
| 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 |
| Seagate Enterprise Capacity 3.5 HDD | | | | | | | | | | |
| ST2000NM0008 | SATA | Seagate | 3.5" | 512n | 2TB | 6Gb/s | EXOS 7E2 | 128MB | 7200 | N/A |
| ST8000NM000A | SATA | Seagate | 3.5" | 512e | 8TB | 6Gb/s | EXOS 7E8 | 256MB | 7200 | N/A |
| ST16000NM001G | SATA | Seagate | 3.5" | 512e/4Kn | 16TB | 6Gb/s | EXOS X16 | 256MB | 7200 | N/A |
| HGST HDD (SAS HDD may need RAID Card support) | | | | | | | | | | |
| Product Name | Type | Vendor | Form Factor | Format | Capacity | Interface Speed | Series | Cache | RPM | Encryption |
| Enterprise Hard Drives | | | | | | | | | | |
| HUH721212ALE604 | SATA | HGST / WD | 3.5" | 512e | 12TB | 6Gb/s | Ultrastar He12 | 256MB | 7200 | N/A |
| HUS726T6TALE6L4 | SATA | HGST / WD | 3.5" | 512e | 6TB | 6Gb/s | Ultrastar DC HC310 (7K6) | 256MB | 7200 | N/A |
| HUS726T4TALE6L4 | SATA | HGST / WD | 3.5" | 512e | 4TB | 6Gb/s | Ultrastar DC HC310 (7K6) | 256MB | 7200 | N/A |
| HUS728T8TALE6L4 | SATA | HGST / WD | 3.5" | 512e | 8TB | 6Gb/s | Ultrastar® DC HC320 (7K8) | 256MB | 7200 | Secure Erase |
| HUS722T2TALA604 / 1W10002 | SATA | HGST / WD | 3.5" | 512n | 2TB | 6Gb/s | Ultrastar DC HA210 (7K2) | 128MB | 7200 | N/A |
| WD HDD(SAS HDD may need RAID Card support) | | | | | | | | | | |

| Product Name | Type | Vendor | Form Factor | Format | Capacity | Interface Speed | Series | Cache | RPM | Encryption |
|---|------|----------|-------------|------------|----------|-----------------|---------------------|-------|------|------------|
| Enterprise Hard Drives | | | | | | | | | | |
| WUS721010ALE6L4 | SATA | WD | 3.5" | 512e | 10TB | 6Gb/s | Ultrastar® DC HC330 | 256MB | 7200 | N/A |
| Toshiba HDD (SAS HDD may need RAID Card support) | | | | | | | | | | |
| Product Name | Type | Vendor | Form Factor | Format | Capacity | Interface Speed | Series | Cache | RPM | Encryption |
| Enterprise Hard Drives | | | | | | | | | | |
| MG07ACA14TE | SATA | Toshiba | 3.5" | 512e | 14TB | 6Gb/s | Capacity | 256MB | 7200 | N/A |
| MG06ACA10TE | SATA | Toshiba | 3.5" | 512e | 10TB | 6Gb/s | Capacity | 256MB | 7200 | N/A |
| SATA/SAS SSD | | | | | | | | | | |
| Product Name | Type | Vendor | Form Factor | Interface | Capacity | Interface Speed | FW | Note | | |
| SATA/SAS SSD | | | | | | | | | | |
| SRE100-960G00210000 | SSD | Phison | 2.5" | SATA | 960GB | 6Gb/s | | | | |
| SRE100-480G00210000 | SSD | Phison | 2.5" | SATA | 480GB | 6Gb/s | | | | |
| MZ-7LH1T9NE 883 DCT Series | SSD | Samsung | 2.5" | SATA | 1.92TB | 6Gb/s | HXT7404Q | | | |
| XA960LE10063 | SSD | Seagate | 2.5" | SATA | 960GB | 6Gb/s | | | | |
| XA480LE10063 | SSD | Seagate | 2.5" | SATA | 480GB | 6Gb/s | | | | |
| SSDSC2KG019T8 D3-S4610 Series | SSD | Intel | 2.5" | SATA | 1.92TB | 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 | | | | |
| ASR1100SS-240GT-B | SSD | Adata | 2.5" | SATA | 240GB | 6Gb/s | | | | |
| KHK61RSE960G | SSD | Toshiba | 2.5" | SATA | 960GB | 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 | | | | |
| PCIe SSD | | | | | | | | | | |
| Product Name | Type | Vendor | Form Factor | Interface | Capacity | Interface Speed | Note | | | |
| PCIe SSD | | | | | | | | | | |
| Netlist N1951 E3 NS1951AH33T2 Gen3 x8 3.2TB | PCIe | Netlist | PCI-E 3.0 | PCIe(NVMe) | 3.2TB | - | | | | |
| SSDPEDKX040T701 P4500 Series PCIe Gen3 x4 4TB | PCIe | Intel | PCI-E 3.0 | PCIe(NVMe) | 4TB | - | | | | |
| M.2 | | | | | | | | | | |
| Product Name | Type | Vendor | Form Factor | Interface | Capacity | Interface Speed | Note | | | |
| M.2 | | | | | | | | | | |
| SSDPEKKA256G801 P4101 Series 256GB | M.2 | Intel | 2280 | PCIe(NVMe) | 256GB | | | | | |
| SSDPEKKA010T801 P4101 Series 1TB | M.2 | Intel | 2280 | PCIe(NVMe) | 1TB | | | | | |
| SSDPEKKA256G701 P3100 Series 256GB | M.2 | Intel | 2280 | PCIe(NVMe) | 256GB | | | | | |
| SSDPEKKA010T701 P3100 Series 1TB | M.2 | Intel | 2280 | PCIe(NVMe) | 1TB | | | | | |
| AF1TSMJA-YT1 ATP N600c Series 1TB | M.2 | ATP | 2280 | PCIe(NVMe) | 1TB | | | | | |
| Techman M.2-2280 PV100D5N 480GB | M.2 | Techman | 2280 | PCIe(NVMe) | 480GB | | | | | |
| MZVPV128HDGM | M.2 | Samsung | 2280 | PCIe(NVMe) | 128GB | | | | | |
| MZVPV512HDGL | M.2 | Samsung | 2280 | PCIe(NVMe) | 512GB | | | | | |

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|------------------------------|---|---------------------------|----------------|--|-----------------|---------------------|-----------------------|------|
| AF960GSTJA-YT1 ATP 960GB | M.2 | ATP | 2280 | PCIe(NVMe) | 960GB | - | | |
| IM2P33F8-256GD | M.2 | ADATA | 2280 | PCIe(NVMe) | 256GB | - | | |
| IM2P33F8-512GD | M.2 | ADATA | 2280 | PCIe(NVMe) | 512GB | - | | |
| IM2P33F8-256GD1 | M.2 | ADATA | 2280 | PCIe(NVMe) | 256GB | - | | |
| IM2P33F8-512GD1 | M.2 | ADATA | 2280 | PCIe(NVMe) | 512GB | - | | |
| RAID Cards | | | | | | | | |
| Model | RAID-on-Chip Controller | Host Bus Type | Internal Ports | Internal Connectors | External Ports | External Connectors | Data Transfer Rates | Note |
| GIGABYTE Storage Cards | | | | | | | | |
| CRA3338 | LSI SAS 3008 | PCIe- x8 Gen3 x8 bus | 8 | 2 xMini-SAS HD for 8x SAS | - | - | 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 | OCPClE- x8 Gen3 x8 bus | 8 | 2 x SlimSAS ports | - | - | 12Gb/s ports | |
| LSI RAID Controller Cards | | | | | | | | |
| 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 | |
| LSI Host Bus Adapters (HBAs) | | | | | | | | |
| LSI SAS 9300-8i | SAS3008 | x8 lane PCI Express® 3.0 | 8 | 2 x Mini-SAS HD SFF-8643 | - | - | 12Gb/s SAS 3.0 | |
| PMC RAID Cards (Adaptec) | | | | | | | | |
| Adaptec ASR-81605ZQ | - | 8-lane PCIe Gen3 | 16 | 4 x internal mini SAS HD (SFF-8643) | - | - | 12Gb/s per port | |
| Microsemi RAID Cards | | | | | | | | |
| SmartRAID 3154-16i | PM8236 | 8-Lane PCIe Gen3 | 16 | 4 x Internal, SFF-8643 | - | - | 12 Gb/s per port | |
| Microsemi Host Bus Adapters | | | | | | | | |
| HBA 1100-24i | PM8238 | 8-Lane PCIe Gen3 | 24 | 6 x Internal, SFF-8643 | - | - | 12 Gb/s per port | |
| LAN Cards | | | | | | | | |
| Product Name | Connector | System Interface Type | # of Ports | Interface | Data rate | Note | | |
| GIGABYTE LAN Cards | | | | | | | | |
| CLNO832 | SFP+ | OCPClE x8 Gen2 x8 | Dual | | 10Gb/s per port | INTEL 82599ES | | |
| CLN4831 | SFP+ | PCIe x8 Gen2 x8 | Single | | 10Gb/s per port | INTEL 82599EN | | |
| CLN4832 | SFP+ | PCIe x8 Gen2 x8 | Dual | | 10Gb/s per port | INTEL 82599ES | | |
| CLN4522 | RJ-45 | PCIe x8 Gen2 x8 | Dual | | 10Gb/s per port | INTEL X540 | | |
| CLN4751 | QSFP+ | PCIe x8 Gen3 x8 | Single | | 40Gb/s per port | INTEL XL710 | | |
| CLN4752 | QSFP+ | PCIe x8 Gen3 x8 | Dual | | 40Gb/s per port | INTEL XL710 | | |
| CLN4222 | RJ-45 | PCIe x8 Gen3 x4 | Dual | | 10Gb/s per port | INTEL X550-AT2 | | |
| CLN4312 | RJ-45 | PCIe x4 Gen2 x4 | Dual | | 1Gb/s per port | INTEL i350-AM2 | | |
| CLN4314 | RJ-45 | PCIe x4 Gen2 x4 | Quad | | 1Gb/s per port | INTEL i350-AM4 | | |
| CLN4M34 | SFP28 | PCIe Gen3 x16 | Quad | | 10Gb/s per port | Mellanox ConnectX-4 | | |

| | | | | | | | |
|--|-----------------|---------------------------|----------|-------------------|--|----------------------------------|------------------------------|
| CLN4C42 | SFP28 | PCIe Gen3 x16 | Dual | 25Gb/s per port | Mellanox ConnectX-4 | | |
| GC-MNXE21 | SFP+ | PCIe x8 Gen3 x8 | Dual | 10Gb/s per port | Mellanox ConnectX-3 | | |
| GC-MLBZ1 | SFP+ | PCIe x8 Gen2 x8 | Dual | 10Gb/s per port | Broadcom BCM57810S | | |
| Mellanox ConnectX | | | | | | | |
| MCX4121A-ACAT | SFP28 | PCIe Gen3 x8 | Dual | 25Gb/s per port | Mellanox ConnectX-4 Lx EN | | |
| Mellanox VPI Adapter Cards | | | | | | | |
| MCX545B-ECAN | QSFP | OC PCIe Gen3 x16 | Single | EDR IB (100Gb/s) | Mellanox ConnectX@-5 VPI EDR IB (InfiniBand) | | |
| Broadcom (Emulex) Ethernet Networking Adapters | | | | | | | |
| BCM957414M4142C | SFP28 | OC PCIe 3.0 x8 | Dual | 25Gb/s per port | BCM57416 / Support OC 3.0 | | |
| Product Name | Processor Cores | Memory Bandwidth (GB/sec) | OpenGL | Microsoft DirectX | Graphics Card Power (W) | NVIDIA SLI / AMD CrossFire Ready | Note |
| NVIDIA Tesla (http://www.nvidia.com/object/tesla-supercomputing-solutions.html) | | | | | | | |
| V100 (VOLTA) 32GB | 5120 | 900 GB/s | 32GB | | 250 W | - | (Maximum support 3pcs GPGPU) |
| AMD Radeon Instinct | | | | | | | |
| MI25 | 4096 | 484 GB/s | | | 300W | - | (Maximum support 3pcs GPGPU) |
| USB Device | | | | | | | |
| Product Name | Type | Vendor | Capacity | Note | | | |
| USB 3.0 | | | | | | | |
| PURE CLASSIC X176B1FWBO75 | HDD | Gigabyte | 500G | | | | |
| NU EBC113 | Blue-ray | NU | | | | | |
| NU ESW863 8X SLIM | DVD | NU | | | | | |
| SILICON POWER BLAZE B10 16GB | Flash | SILICON | 16G | | | | |