

"G481-H81" Qualification Vender List

Please contact FAE support for below orange blocks

| Intel CPU | | | | | | | | | | |
|---|-----------|--------|----------|-------------|------------|------------|--------------------------|---------------------|-------|--------------|
| Product Name | Code Name | Q-Spec | Stepping | Cache | System Bus | # of Cores | Processor Base Frequency | Max Turbo Frequency | TDP | Memory Types |
| Purley - Intel® Xeon® Processor Scalable Family | | | | | | | | | | |
| Intel® Xeon® Processor Platinum 8180 | SKYLAKE-S | QMQ7 | H0 | 38.5 MB L3 | 10.4 GT/s | 28 | 2.50 GHz | 3.80 GHz | 205 W | DDR4-2666 |
| Intel® Xeon® Processor Platinum 8176M | SKYLAKE-S | QM7R | H0 | 38.5 MB L3 | 10.4 GT/s | 28 | 2.10 GHz | 3.80 GHz | 165 W | DDR4-2666 |
| Intel® Xeon® Processor Platinum 8176F | SKYLAKE-S | QNC8 | H0 | 38.5 MB L3 | 10.4 GT/s | 28 | 2.10 GHz | 3.80 GHz | 173 W | DDR4-2666 |
| Intel® Xeon® Processor Platinum 8176 | SKYLAKE-S | QMQ3 | H0 | 38.5 MB L3 | 10.4 GT/s | 28 | 2.10 GHz | 3.80 GHz | 165 W | DDR4-2666 |
| Intel® Xeon® Processor Platinum 8170 | SKYLAKE-S | QMOO | H0 | 35.75 MB L3 | 10.4 GT/s | 26 | 2.10 GHz | 3.70 GHz | 165 W | DDR4-2666 |
| Intel® Xeon® Processor Platinum 8168 | SKYLAKE-S | QMQ8 | H0 | 33 MB L3 | 10.4 GT/s | 24 | 2.70 GHz | 3.70 GHz | 205 W | DDR4-2666 |
| Intel® Xeon® Processor Platinum 8164 | SKYLAKE-S | QMS8 | H0 | 35.75 MB L3 | 10.4 GT/s | 26 | 2.00 GHz | 3.70 GHz | 150 W | DDR4-2666 |
| Intel® Xeon® Processor Platinum 8160T | SKYLAKE-S | QMRG | H0 | 33 MB L3 | 10.4 GT/s | 24 | 2.10 GHz | 3.70 GHz | 150 W | DDR4-2666 |
| Intel® Xeon® Processor Platinum 8160 | SKYLAKE-S | QMRV | H0 | 33 MB L3 | 10.4 GT/s | 24 | 2.10 GHz | 3.70 GHz | 150 W | DDR4-2666 |
| Intel® Xeon® Processor Platinum 8153 | SKYLAKE-S | QMS7 | H0 | 22 MB L3 | 10.4 GT/s | 16 | 2.00 GHz | 2.80 GHz | 125 W | DDR4-2666 |
| Intel® Xeon® Processor Gold 6154 | SKYLAKE-S | QMQ9 | H0 | 24.75 MB L3 | 10.4 GT/s | 18 | 3.00 GHz | 3.70 GHz | 200 W | DDR4-2666 |
| Intel® Xeon® Processor Gold 6152 | SKYLAKE-S | QMRZ | H0 | 30.25 MB L3 | 10.4 GT/s | 22 | 2.10 GHz | 3.70 GHz | 140 W | DDR4-2666 |
| Intel® Xeon® Processor Gold 6150 | SKYLAKE-S | QMQ6 | H0 | 24.75 MB L3 | 10.4 GT/s | 18 | 2.70 GHz | 3.70 GHz | 165 W | DDR4-2666 |
| Intel® Xeon® Processor Gold 6148F | SKYLAKE-S | QN3G | H0 | 27.5 MB L3 | 10.4 GT/s | 20 | 2.40 GHz | 3.70 GHz | 160 W | DDR4-2666 |
| Intel® Xeon® Processor Gold 6148 | SKYLAKE-S | QMS1 | H0 | 27.5 MB L3 | 10.4 GT/s | 20 | 2.40 GHz | 3.70 GHz | 150 W | DDR4-2666 |
| Intel® Xeon® Processor Gold 6146 | SKYLAKE-S | QN7C | H0 | 24.75 MB L3 | 10.4 GT/s | 12 | 3.20 GHz | 4.20 GHz | 165 W | DDR4-2666 |
| Intel® Xeon® Processor Gold 6144 | SKYLAKE-S | QN7D | H0 | 24.75 MB L3 | 10.4 GT/s | 8 | 3.50 GHz | 4.20 GHz | 150 W | DDR4-2666 |
| Intel® Xeon® Processor Gold 6142M | SKYLAKE-S | QMRW | H0 | 22 MB L3 | 10.4 GT/s | 16 | 2.60 GHz | 3.70 GHz | 150 W | DDR4-2666 |
| Intel® Xeon® Processor Gold 6142F | SKYLAKE-S | QN3F | H0 | 22 MB L3 | 10.4 GT/s | 16 | 2.60 GHz | 3.70 GHz | 160 W | DDR4-2666 |
| Intel® Xeon® Processor Gold 6142 | SKYLAKE-S | QMRT | H0 | 22 MB L3 | 10.4 GT/s | 16 | 2.60 GHz | 3.70 GHz | 150 W | DDR4-2666 |
| Intel® Xeon® Processor Gold 6140M | SKYLAKE-S | QMRU | H0 | 24.75 MB L3 | 10.4 GT/s | 18 | 2.30 GHz | 3.70 GHz | 140 W | DDR4-2666 |
| Intel® Xeon® Processor Platinum 8190 | SKYLAKE-S | QMQ7 | H0 | 38.5 MB L3 | 10.4 GT/s | 28 | 2.50 GHz | 3.80 GHz | 205 W | DDR4-2666 |
| Intel® Xeon® Processor Platinum 8176M | SKYLAKE-S | QM7R | H0 | 38.5 MB L3 | 10.4 GT/s | 28 | 2.10 GHz | 3.80 GHz | 165 W | DDR4-2666 |
| Intel® Xeon® Processor Platinum 8176F | SKYLAKE-S | QNC8 | H0 | 38.5 MB L3 | 10.4 GT/s | 28 | 2.10 GHz | 3.80 GHz | 173 W | DDR4-2666 |
| Intel® Xeon® Processor Platinum 8176 | SKYLAKE-S | QMQ3 | H0 | 38.5 MB L3 | 10.4 GT/s | 28 | 2.10 GHz | 3.80 GHz | 165 W | DDR4-2666 |
| Intel® Xeon® Processor Platinum 8170 | SKYLAKE-S | QMOO | H0 | 35.75 MB L3 | 10.4 GT/s | 26 | 2.10 GHz | 3.70 GHz | 165 W | DDR4-2666 |
| Intel® Xeon® Processor Platinum 8168 | SKYLAKE-S | QMQ8 | H0 | 33 MB L3 | 10.4 GT/s | 24 | 2.70 GHz | 3.70 GHz | 205 W | DDR4-2666 |
| Intel® Xeon® Processor Platinum 8164 | SKYLAKE-S | QMS8 | H0 | 35.75 MB L3 | 10.4 GT/s | 26 | 2.00 GHz | 3.70 GHz | 150 W | DDR4-2666 |
| Intel® Xeon® Processor Platinum 8160T | SKYLAKE-S | QMRG | H0 | 33 MB L3 | 10.4 GT/s | 24 | 2.10 GHz | 3.70 GHz | 150 W | DDR4-2666 |
| Intel® Xeon® Processor Platinum 8160 | SKYLAKE-S | QMRV | H0 | 33 MB L3 | 10.4 GT/s | 24 | 2.10 GHz | 3.70 GHz | 150 W | DDR4-2666 |
| Intel® Xeon® Processor Platinum 8153 | SKYLAKE-S | QMS7 | H0 | 22 MB L3 | 10.4 GT/s | 16 | 2.00 GHz | 2.80 GHz | 125 W | DDR4-2666 |
| Intel® Xeon® Processor Gold 6154 | SKYLAKE-S | QMQ9 | H0 | 24.75 MB L3 | 10.4 GT/s | 18 | 3.00 GHz | 3.70 GHz | 200 W | DDR4-2666 |
| Intel® Xeon® Processor Gold 6152 | SKYLAKE-S | QMRZ | H0 | 30.25 MB L3 | 10.4 GT/s | 22 | 2.10 GHz | 3.70 GHz | 140 W | DDR4-2666 |
| Intel® Xeon® Processor Gold 6150 | SKYLAKE-S | QMQ6 | H0 | 24.75 MB L3 | 10.4 GT/s | 18 | 2.70 GHz | 3.70 GHz | 165 W | DDR4-2666 |
| Intel® Xeon® Processor Gold 6148F | SKYLAKE-S | QN3G | H0 | 27.5 MB L3 | 10.4 GT/s | 20 | 2.40 GHz | 3.70 GHz | 160 W | DDR4-2666 |
| Intel® Xeon® Processor Gold 6148 | SKYLAKE-S | QMS1 | H0 | 27.5 MB L3 | 10.4 GT/s | 20 | 2.40 GHz | 3.70 GHz | 150 W | DDR4-2666 |
| Intel® Xeon® Processor Gold 6146 | SKYLAKE-S | QN7C | H0 | 24.75 MB L3 | 10.4 GT/s | 12 | 3.20 GHz | 4.20 GHz | 165 W | DDR4-2666 |
| Intel® Xeon® Processor Gold 6144 | SKYLAKE-S | QN7D | H0 | 24.75 MB L3 | 10.4 GT/s | 8 | 3.50 GHz | 4.20 GHz | 150 W | DDR4-2666 |
| Intel® Xeon® Processor Gold 6142M | SKYLAKE-S | QMRW | H0 | 22 MB L3 | 10.4 GT/s | 16 | 2.60 GHz | 3.70 GHz | 150 W | DDR4-2666 |
| Intel® Xeon® Processor Gold 6142F | SKYLAKE-S | QN3F | H0 | 22 MB L3 | 10.4 GT/s | 16 | 2.60 GHz | 3.70 GHz | 160 W | DDR4-2666 |
| Intel® Xeon® Processor Gold 6142 | SKYLAKE-S | QMRT | H0 | 22 MB L3 | 10.4 GT/s | 16 | 2.60 GHz | 3.70 GHz | 150 W | DDR4-2666 |
| Intel® Xeon® Processor Gold 6140M | SKYLAKE-S | QMRU | H0 | 24.75 MB L3 | 10.4 GT/s | 18 | 2.30 GHz | 3.70 GHz | 140 W | DDR4-2666 |
| Intel® Xeon® Processor Gold 6140 | SKYLAKE-S | QMRS | H0 | 24.75 MB L3 | 10.4 GT/s | 18 | 2.30 GHz | 3.70 GHz | 140 W | DDR4-2666 |
| Intel® Xeon® Processor Gold 6138T | SKYLAKE-S | QMS9 | H0 | 27.5 MB L3 | 10.4 GT/s | 20 | 2.00 GHz | 3.70 GHz | 125 W | DDR4-2666 |
| Intel® Xeon® Processor Gold 6138F | SKYLAKE-S | QN3H | H0 | 27.5 MB L3 | 10.4 GT/s | 20 | 2.00 GHz | 3.70 GHz | 135 W | DDR4-2666 |
| Intel® Xeon® Processor Gold 6138 | SKYLAKE-S | QMS0 | H0 | 27.5 MB L3 | 10.4 GT/s | 20 | 2.00 GHz | 3.70 GHz | 125 W | DDR4-2666 |
| Intel® Xeon® Processor Gold 6136 | SKYLAKE-S | QMRX | H0 | 24.75 MB L3 | 10.4 GT/s | 12 | 3.00 GHz | 3.70 GHz | 150 W | DDR4-2666 |
| Intel® Xeon® Processor Gold 6134 | SKYLAKE-S | QMRL | H0 | 24.75 MB L3 | 10.4 GT/s | 8 | 3.20 GHz | 3.70 GHz | 130 W | DDR4-2666 |
| Intel® Xeon® Processor Gold 6132 | SKYLAKE-S | QN33 | H0 | 19.25 MB L3 | 10.4 GT/s | 14 | 2.60 GHz | 3.70 GHz | 140 W | DDR4-2666 |
| Intel® Xeon® Processor Gold 6130T | SKYLAKE-S | QN38 | H0 | 22 MB L3 | 10.4 GT/s | 16 | 2.10 GHz | 3.70 GHz | 125 W | DDR4-2666 |
| Intel® Xeon® Processor Gold 6130F | SKYLAKE-S | QMHX | H0 | 22 MB L3 | 10.4 GT/s | 16 | 2.10 GHz | 3.70 GHz | 135 W | DDR4-2666 |
| Intel® Xeon® Processor Gold 6130 | SKYLAKE-S | QMS6 | H0 | 22 MB L3 | 10.4 GT/s | 16 | 2.10 GHz | 3.70 GHz | 125 W | DDR4-2666 |
| Intel® Xeon® Processor Gold 6128 | SKYLAKE-S | QN34 | H0 | 19.25 MB L3 | 10.4 GT/s | 6 | 3.40 GHz | 3.70 GHz | 115 W | DDR4-2666 |
| Intel® Xeon® Processor Gold 6126T | SKYLAKE-S | QN39 | H0 | 19.25 MB L3 | 10.4 GT/s | 12 | 2.60 GHz | 3.70 GHz | 125 W | DDR4-2666 |
| Intel® Xeon® Processor Gold 6126F | SKYLAKE-S | QMHS | H0 | 19.25 MB L3 | 10.4 GT/s | 12 | 2.60 GHz | 3.70 GHz | 135 W | DDR4-2666 |
| Intel® Xeon® Processor Gold 6126 | SKYLAKE-S | QMRV | H0 | 19.25 MB L3 | 10.4 GT/s | 12 | 2.60 GHz | 3.70 GHz | 125 W | DDR4-2666 |
| Intel® Xeon® Processor Gold 5122 | SKYLAKE-S | QMRN | H0 | 16.5 MB L3 | 10.4 GT/s | 4 | 3.60 GHz | 3.70 GHz | 105 W | DDR4-2666 |
| Intel® Xeon® Processor Gold 5120T | SKYLAKE-S | QMXL | M0 | 19.25 MB L3 | 10.4 GT/s | 14 | 2.20 GHz | 3.20 GHz | 105 W | DDR4-2400 |
| Intel® Xeon® Processor Gold 5120 | SKYLAKE-S | QMXJ | M0 | 19.25 MB L3 | 10.4 GT/s | 14 | 2.20 GHz | 3.20 GHz | 105 W | DDR4-2400 |
| Intel® Xeon® Processor Gold 5119T | SKYLAKE-S | QN11 | M0 | 19.25 MB L3 | 10.4 GT/s | 14 | 1.90 GHz | 3.20 GHz | 85 W | DDR4-2400 |
| Intel® Xeon® Processor Gold 5119 | SKYLAKE-S | QMXH | M0 | 16.5 MB L3 | 10.4 GT/s | 12 | 2.30 GHz | 3.20 GHz | 105 W | DDR4-2400 |
| Intel® Xeon® Processor Gold 5117F | SKYLAKE-S | QN98 | H0 | 19.25MB L3 | 10.4 GT/s | 14 | 2.00 GHz | 2.80 GHz | 113W | DDR4-2400 |
| Intel® Xeon® Processor Gold 5115 | SKYLAKE-S | QMXG | M0 | 13.75 MB L3 | 10.4 GT/s | 10 | 2.40 GHz | 3.20 GHz | 85 W | DDR4-2400 |

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|--|---------------------|-------|----|-------------|-----------|----|----------|----------|------|-----------|
| Intel® Xeon® Processor Silver 4116T | SKYLAKE-S | QN7B | M0 | 16.5 MB L3 | 9.6 GT/s | 12 | 2.10 GHz | 3.00 GHz | 85 W | DDR4-2400 |
| Intel® Xeon® Processor Silver 4116 | SKYLAKE-S | QN1J | M0 | 16.5 MB L3 | 9.6 GT/s | 12 | 2.10 GHz | 3.00 GHz | 85 W | DDR4-2400 |
| Intel® Xeon® Processor Silver 4114T | SKYLAKE-S | QN7A | U0 | 13.75 MB L3 | 9.6 GT/s | 10 | 2.20 GHz | 3.00 GHz | 85 W | DDR4-2400 |
| Intel® Xeon® Processor Silver 4114 | SKYLAKE-S | QN0B | U0 | 13.75 MB L3 | 9.6 GT/s | 10 | 2.20 GHz | 3.00 GHz | 85 W | DDR4-2400 |
| Intel® Xeon® Processor Silver 4112 | SKYLAKE-S | QN0E | U0 | 8.25MB | 9.6 GT/s | 4 | 2.6 GHz | 3.00 GHz | 85W | DDR4-2400 |
| Intel® Xeon® Processor Silver 4110 | SKYLAKE-S | QN09 | U0 | 11MB | 9.6 GT/s | 8 | 2.1 GHz | 3.00 GHz | 85W | DDR4-2400 |
| Intel® Xeon® Processor Silver 4109T | SKYLAKE-S | QN0F | U0 | 11 MB L3 | 9.6 GT/s | 8 | 2.00 GHz | 3.00 GHz | 70 W | DDR4-2400 |
| Intel® Xeon® Processor Silver 4108 | SKYLAKE-S | QN0A | U0 | 11MB | 9.6 GT/s | 8 | 1.8 GHz | 3.00 GHz | 85W | DDR4-2400 |
| Intel® Xeon® Processor Bronze 3106 | SKYLAKE-S | QN0C | U0 | 11MB | 9.6 GT/s | 8 | 1.7 GHz | None | 85W | DDR4-2133 |
| Intel® Xeon® Processor Bronze 3104 | SKYLAKE-S | QN0D | U0 | 8.25MB | 9.6 GT/s | 6 | 1.7 GHz | None | 85W | DDR4-2133 |
| Purley - Intel® Xeon® Processor Scalable Family | | | | | | | | | | |
| Intel® Xeon® Processor Platinum 8280M | Cascadelake SP | QRL0 | B0 | 38.5MB | 10.4 GT/s | 28 | 2.6 GHz | 4.00 GHz | 205W | DDR4-2933 |
| Intel® Xeon® Processor Platinum 8280L | Cascadelake SP | QRL1 | B0 | 38.5MB | 10.4 GT/s | 28 | 2.6 GHz | 4.00 GHz | 205W | DDR4-2933 |
| Intel® Xeon® Processor Platinum 8280 | Cascadelake SP | QRKZ | B0 | 38.5MB | 10.4 GT/s | 28 | 2.6 GHz | 4.00 GHz | 205W | DDR4-2933 |
| Intel® Xeon® Processor Platinum 8276M | Cascadelake SP | ORAW | B0 | 38.5MB | 10.4 GT/s | 28 | 2.2 GHz | 4.00 GHz | 165W | DDR4-2933 |
| Intel® Xeon® Processor Platinum 8276L | Cascadelake SP | ORAV | B0 | 38.5MB | 10.4 GT/s | 28 | 2.2 GHz | 4.00 GHz | 165W | DDR4-2933 |
| Intel® Xeon® Processor Platinum 8270 | Cascadelake SP | ORAU | B0 | 35.75MB | 10.4 GT/s | 26 | 2.7 GHz | 4.00 GHz | 205W | DDR4-2933 |
| Intel® Xeon® Processor Platinum 8268 | Cascadelake SP | QRAT | B0 | 33MB | 10.4 GT/s | 24 | 2.9 GHz | 3.90 GHz | 205W | DDR4-2933 |
| Intel® Xeon® Processor Platinum 8260M | Cascadelake SP | QRCA | B0 | 33MB | 10.4 GT/s | 24 | 2.3 GHz | 3.90 GHz | 165W | DDR4-2933 |
| Intel® Xeon® Processor Platinum 8260L | Cascadelake SP | QR2C | B0 | 33MB | 10.4 GT/s | 24 | 2.3 GHz | 3.90 GHz | 165W | DDR4-2933 |
| Intel® Xeon® Processor Platinum 8256 | Cascadelake SP | QRAP | B0 | 16.5MB | 10.4 GT/s | 4 | 3.8 GHz | 3.90 GHz | 105W | DDR4-2933 |
| Intel® Xeon® Processor Platinum 8253 | Cascadelake SP | QRAN | B0 | 22MB | 10.4 GT/s | 16 | 2.2 GHz | 3.00 GHz | 125W | DDR4-2933 |
| Intel® Xeon® Processor Gold 6256 | Cascadelake SP | QTBO | B1 | 33MB | 10.4 GT/s | 12 | 3.6 GHz | 4.50 GHz | 205W | DDR4-2933 |
| Intel® Xeon® Processor Gold 6254 | Cascadelake SP | QRAM | B0 | 24.75MB | 10.4 GT/s | 18 | 3.1 GHz | 4.00 GHz | 200W | DDR4-2933 |
| Intel® Xeon® Processor Gold 6252 | Cascadelake SP | QRAL | B0 | 33MB | 10.4 GT/s | 24 | 2.1 GHz | 3.70 GHz | 150W | DDR4-2933 |
| Intel® Xeon® Processor Gold 6248 | Cascadelake SP | ORAK | B0 | 27.5MB | 10.4 GT/s | 20 | 2.5 GHz | 3.90 GHz | 150W | DDR4-2933 |
| Intel® Xeon® Processor Gold 6244 | Cascadelake SP | ORAJ | B0 | 24.75MB | 10.4 GT/s | 8 | 3.6 GHz | 4.40 GHz | 150W | DDR4-2933 |
| Intel® Xeon® Processor Gold 6242 | Cascadelake SP | ORAH | B0 | 22MB | 10.4 GT/s | 16 | 2.8 GHz | 3.90 GHz | 150W | DDR4-2933 |
| Intel® Xeon® Processor Gold 6240Y | Cascadelake SP | ORBX | B0 | 24.75MB | 10.4 GT/s | 18 | 2.6 GHz | 3.90 GHz | 150W | DDR4-2933 |
| Intel® Xeon® Processor Gold 6240 | Cascadelake SP | ORAG | B0 | 24.75MB | 10.4 GT/s | 18 | 2.6 GHz | 3.90 GHz | 150W | DDR4-2933 |
| Intel® Xeon® Processor Gold 6238T | Cascadelake SP | ORBW | B0 | 30.25MB | 10.4 GT/s | 22 | 1.9 GHz | 3.70 GHz | 125W | DDR4-2933 |
| Intel® Xeon® Processor Gold 6230 | Cascadelake SP | ORAD | B0 | 27.5MB | 10.4 GT/s | 20 | 2.1 GHz | 3.90 GHz | 125W | DDR4-2933 |
| Intel® Xeon® Processor Gold 5218 | Cascadelake SP | ORAA | B0 | 22MB | 10.4 GT/s | 16 | 2.3 GHz | 3.90 GHz | 125W | DDR4-2666 |
| Intel® Xeon® Processor Platinum 8260Y | Cascadelake SP | QR1C | B0 | 33MB | 10.4 GT/s | 24 | 2.3 GHz | 3.90 GHz | 165W | DDR4-2933 |
| Intel® Xeon® Processor Platinum 8260 | Cascadelake SP | QR3C | B0 | 33MB | 10.4 GT/s | 24 | 2.3 GHz | 3.90 GHz | 165W | DDR4-2933 |
| Intel® Xeon® Processor Gold 5220 | Cascadelake SP | QRGH | L0 | 24.75MB | 10.4 GT/s | 18 | 2.2 GHz | 3.90 GHz | 125W | DDR4-2666 |
| Intel® Xeon® Processor Gold 5218N | Cascadelake SP | QRGD | L0 | 22MB | 10.4 GT/s | 16 | 2.3 GHz | 3.70 GHz | 105W | DDR4-2666 |
| Intel® Xeon® Processor Gold 5218B | Cascadelake SP | QRGE | L0 | 22MB | 10.4 GT/s | 16 | 2.3 GHz | 3.90 GHz | 125W | DDR4-2666 |
| Intel® Xeon® Processor Gold 5217 | Cascadelake SP | QRGC | L0 | 11MB | 10.4 GT/s | 8 | 3.0 GHz | 3.70 GHz | 115W | DDR4-2666 |
| Intel® Xeon® Processor Gold 5215L | Cascadelake SP | QRGB | L0 | 13.75MB | 10.4 GT/s | 10 | 2.5 GHz | 3.40 GHz | 85W | DDR4-2666 |
| Intel® Xeon® Processor Gold 5215M | Cascadelake SP | QRGA | L0 | 13.75MB | 10.4 GT/s | 10 | 2.5 GHz | 3.40 GHz | 85W | DDR4-2666 |
| Intel® Xeon® Processor Gold 5215 | Cascadelake SP | QRG9 | L0 | 13.75MB | 10.4 GT/s | 10 | 2.5 GHz | 3.40 GHz | 85W | DDR4-2666 |
| Intel® Xeon® Processor Silver 4216 | Cascadelake SP | QRG8 | L0 | 22MB | 9.6 GT/s | 16 | 2.1 GHz | 3.20 GHz | 100W | DDR4-2133 |
| Intel® Xeon® Processor Silver 4215 | Cascadelake SP | QRG7 | L0 | 11MB | 9.6 GT/s | 8 | 2.5 GHz | 3.50 GHz | 85W | DDR4-2133 |
| Intel® Xeon® Processor Silver 4214Y | Cascadelake SP | QRHY | L0 | 16.5MB | 9.6 GT/s | 12 | 2.2 GHz | 3.20 GHz | 85W | DDR4-2133 |
| Intel® Xeon® Processor Silver 4214 | Cascadelake SP | QRG6 | L0 | 16.5MB | 9.6 GT/s | 12 | 2.2 GHz | 3.20 GHz | 85W | DDR4-2133 |
| Intel® Xeon® Processor Silver 4210 | Cascadelake SP | QRJF | R0 | 13.75MB | 9.6 GT/s | 10 | 2.2 GHz | 3.20 GHz | 85W | DDR4-2133 |
| Intel® Xeon® Processor Silver 4209T | Cascadelake SP | QRJM | R0 | 11MB | 9.6 GT/s | 8 | 2.2 GHz | 3.20 GHz | 70W | DDR4-2133 |
| Intel® Xeon® Processor Silver 4208 | Cascadelake SP | QRJG | R0 | 11MB | 9.6 GT/s | 8 | 2.1 GHz | 3.20 GHz | 85W | DDR4-2133 |
| Intel® Xeon® Processor Gold 6252N | Cascadelake SP | QS1W | B1 | 35.75MB | 10.4 GT/s | 24 | 2.3 GHz | 3.60 GHz | 150W | DDR4-2933 |
| Intel® Xeon® Processor Gold 5218T | Cascadelake SP | QS1T | B1 | 22MB | 10.4 GT/s | 16 | 2.1 GHz | 3.80 GHz | 105W | DDR4-2666 |
| Intel® Xeon® Processor Gold 6240M | Cascadelake SP | QS25 | B1 | 24.75MB | 10.4 GT/s | 18 | 2.6 GHz | 3.90 GHz | 150W | DDR4-2933 |
| Intel® Xeon® Processor Gold 5220S | Cascadelake SP | QS1Z | B1 | 24.75MB | 10.4 GT/s | 18 | 2.7 GHz | 3.90 GHz | 125W | DDR4-2666 |
| Intel® Xeon® Processor Gold 6222V | Cascadelake SP | QS2C | B1 | 27.5 MB | 10.4 GT/s | 20 | 1.8 GHz | 3.60 GHz | 115W | DDR4-2400 |
| Intel® Xeon® Processor Gold 6238M | Cascadelake SP | QS27 | B1 | 30.25MB | 10.4 GT/s | 22 | 2.1 GHz | 3.70 GHz | 140W | DDR4-2933 |
| Intel® Xeon® Processor Gold 6262V | Cascadelake SP | QS2B | B1 | 33MB | 10.4 GT/s | 24 | 1.9 GHz | 3.60 GHz | 135W | DDR4-2933 |
| Intel® Xeon® Processor Gold 6234 | Cascadelake SP | QS1U | B1 | 24.75MB | 10.4 GT/s | 8 | 3.3 GHz | 4.00 GHz | 130W | DDR4-2933 |
| Intel® Xeon® Processor Gold 6226 | Cascadelake SP | QS1V | B1 | 19.25MB | 10.4 GT/s | 12 | 2.7 GHz | 3.70 GHz | 125W | DDR4-2933 |
| Intel® Xeon® Processor Gold 6230N | Cascadelake SP | QS1X | B1 | 27.5MB | 10.4 GT/s | 20 | 2.3 GHz | 3.50 GHz | 125W | DDR4-2933 |
| Intel® Xeon® Processor Gold 5220T | Cascadelake SP | QS1R | B1 | 24.75MB | 10.4 GT/s | 18 | 1.9 GHz | 3.90 GHz | 105W | DDR4-2666 |
| Intel® Xeon® Processor Gold 6246 | Cascadelake SP | QS1Q | B1 | 24.75MB | 10.4 GT/s | 8 | 3.3 GHz | 4.20 GHz | 165W | DDR4-2933 |
| Intel® Xeon® Processor Gold 6238 | Cascadelake SP | QS1S | B1 | 30.25MB | 10.4 GT/s | 22 | 2.1 GHz | 3.70 GHz | 140W | DDR4-2933 |
| Intel® Xeon® Processor Gold 6230T | Cascadelake SP | QS1Y | B1 | 27.5MB | 10.4 GT/s | 20 | 2.1 GHz | 3.90 GHz | 125W | DDR4-2933 |
| Intel® Xeon® Processor Gold 6240L | Cascadelake SP | QS26 | B1 | 24.75MB | 10.4 GT/s | 18 | 2.6 GHz | 3.90 GHz | 150W | DDR4-2933 |
| Intel® Xeon® Processor Gold 6238L | Cascadelake SP | QS28 | B1 | 30.25MB | 10.4 GT/s | 22 | 2.1 GHz | 3.70 GHz | 140W | DDR4-2933 |
| Intel® Xeon® Processor Bronze 3204 | Cascadelake SP | QRJK | R0 | 8.25MB | 9.6 GT/s | 6 | 1.90 GHz | 1.90 GHz | 85W | DDR4-2133 |
| Cascadelake refresh - Intel® Xeon® Processor Scalable Family | | | | | | | | | | |
| Intel® Xeon® Processor Gold 6250 | Cascadelake refresh | SRGTR | B1 | 35.75MB | 10.4 GT/s | 8 | 3.9 GHz | 4.5 GHz | 185W | DDR4-2933 |
| Intel® Xeon® Processor Gold 6258R | Cascadelake refresh | SRGZF | B1 | 38.50MB | 10.4 GT/s | 28 | 2.7GHz | 4.0 GHz | 205W | DDR4-2933 |
| Intel® Xeon® Processor Gold 6248R | Cascadelake refresh | SRGZG | B1 | 35.75MB | 10.4 GT/s | 24 | 3.5 GHz | 4.0 GHz | 205W | DDR4-2933 |
| Intel® Xeon® Processor Gold 6246R | Cascadelake refresh | SRGZL | B1 | 35.75MB | 10.4 GT/s | 16 | 3.4 GHz | 4.1 GHz | 205W | DDR4-2933 |
| Intel® Xeon® Processor Gold 6242R | Cascadelake refresh | SRGZJ | B1 | 35.75MB | 10.4 GT/s | 20 | 3.1 GHz | 4.1 GHz | 205W | DDR4-2933 |

| | | | | | | | | | | |
|-------------------------------------|---------------------|-------|----|---------|-----------|----|---------|---------|------|-----------|
| Intel® Xeon® Processor Gold 6240R | Cascadelake refresh | SRGZ8 | B1 | 35.75MB | 10.4 GT/s | 24 | 2.4 GHz | 4.0 GHz | 165W | DDR4-2933 |
| Intel® Xeon® Processor Gold 6230R | Cascadelake refresh | SRGZ9 | B1 | 38.50MB | 10.4 GT/s | 28 | 2.2 GHz | 4.0 GHz | 165W | DDR4-2933 |
| Intel® Xeon® Processor Gold 6230R | Cascadelake refresh | SRGZA | B1 | 35.75MB | 10.4 GT/s | 26 | 2.1 GHz | 4.0 GHz | 150W | DDR4-2933 |
| Intel® Xeon® Processor Gold 6226R | Cascadelake refresh | SRGZC | B1 | 22MB | 10.4 GT/s | 16 | 2.9 GHz | 3.9 GHz | 150W | DDR4-2933 |
| Intel® Xeon® Processor Silver 4215R | Cascadelake refresh | SRGZE | B1 | 11MB | 10.4 GT/s | 8 | 3.2 GHz | 4.0 GHz | 130W | DDR4-2400 |
| Intel® Xeon® Processor Gold 5220R | Cascadelake refresh | SRGZP | B1 | 35.75MB | 10.4 GT/s | 24 | 2.2 GHz | 4.0 GHz | 150W | DDR4-2666 |
| Intel® Xeon® Processor Gold 5218R | Cascadelake refresh | SRGZ7 | B1 | 27.50MB | 10.4 GT/s | 20 | 2.1 GHz | 4.0 GHz | 125W | DDR4-2666 |
| Intel® Xeon® Processor Silver 4214R | Cascadelake refresh | QSKT | L1 | 16.5MB | 9.6 GT/s | 12 | 2.4 GHz | 3.5 GHz | 100W | DDR4-2400 |
| Intel® Xeon® Processor Silver 4210R | Cascadelake refresh | QSL1 | R1 | 13.75MB | 9.6 GT/s | 10 | 2.4 GHz | 3.2 GHz | 100W | DDR4-2400 |
| Intel® Xeon® Processor Bronze 3206R | Cascadelake refresh | QSL2 | R1 | 11MB | 9.6 GT/s | 8 | 1.9 GHz | 1.9 GHz | 85W | DDR4-2133 |

Montage Jintide® Processor Scalable Family

| | | | | | | | | | | |
|-------------------------|---------|-------|----|---------|-----------|----|---------|---------|------|------|
| Montage Jintide® C24601 | Jintide | SREUN | H0 | 33MB | 10.4 GT/s | 24 | 2.1 GHz | 3.7 GHz | 150W | DDR4 |
| Montage Jintide® C10201 | Jintide | SREUK | H0 | 13.75MB | 9.6 GT/s | 10 | 2.2 GHz | 3.0 GHz | 85W | DDR4 |
| Montage Jintide® C08101 | Jintide | SREUL | H0 | 11MB | 9.6 GT/s | 8 | 2.1 GHz | 3.0 GHz | 85W | DDR4 |
| Montage Jintide® C16401 | Jintide | SREUM | H0 | 22MB | 10.4 GT/s | 16 | 2.1 GHz | 3.7 GHz | 125W | DDR4 |
| Montage Jintide® C12301 | Jintide | SREUH | H0 | 16.5MB | 10.4 GT/s | 12 | 2.3 GHz | 3.2 GHz | 105W | DDR4 |
| Montage Jintide® C14501 | Jintide | SREUJ | H0 | 19.25MB | 10.4 GT/s | 14 | 2.2 GHz | 3.2 GHz | 105W | DDR4 |

Memory

| Product Name | Memory Type | Module Supplier | Size | Chip Brand | Rank | Voltage | Data Transfer Rate | Error Correction | CAS Latency | Pins |
|-------------------------|-------------|-----------------|------|-----------------|--------|---------|--------------------|------------------|-------------|---------|
| RDIMM | | | | | | | | | | |
| M4R0-BGS3GCSJ | DDR4 | INNOVATION | 32GB | Samsung | 2R X4 | 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-CWDB6Q | 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 |
| MTA9ASF1G72PZ-2G6D1QI | DDR4 | Micron | 8GB | Micron | 1Rx8 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |
| CT16G4RFD8266-2G6E1.001 | DDR4 | CRUCIAL | 16GB | Micron-Montage | 2Rx8 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |
| MTA18ASF2G72PDZ-2G6E1SG | DDR4 | Micron | 16GB | Micron-Montage | 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 |
| CT16G4RFD8266-2G6D1 | DDR4 | CRUCIAL | 16GB | Micron | 2Rx8 | 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 |
| CT32G4RFD4266-2G6D1 | 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 |
| CT32G4RFD4266-2G6H1.001 | DDR4 | CRUCIAL | 32GB | Micron | 2Rx4 | 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 |
| CT16G4RFD8266-18FE1 | DDR4 | CRUCIAL | 16GB | Micron | 2Rx8 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |
| CT8G4RFS8266-9FD1 | DDR4 | CRUCIAL | 8GB | Micron | 1Rx8 | 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 |
| HMA82GR7AFR4N-VKT3 | DDR4 | SKhynix | 16GB | SKhynix-Montage | 1Rx4 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |
| HMA82GR7AFR8N-VKT3 | DDR4 | SKhynix | 16GB | SKhynix-Montage | 2Rx8 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |
| HMA82GR7AFR8N-VKT3 | DDR4 | SKhynix | 16GB | SKhynix-IDT | 2Rx8 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |
| HMA84GR7AFR4N-VKT3 | DDR4 | SKhynix | 32GB | SKhynix-Montage | 2Rx4 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |
| HMA88GR7A2FR4N-VNT3 | DDR4 | SKhynix | 64GB | SKhynix | 2S2Rx4 | 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 |
| M393A2K40CB2-CTD6Q | DDR4 | Samsung | 16GB | Samsung-Montage | 1Rx4 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |

| | | | | | | | | | | |
|----------------------------------|------|----------|------|----------------------|-------|------|---------|----------------|----|---------|
| CT8G4RFD8266.18FE1 | DDR4 | Crucial | 8GB | Micron | 2R X8 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |
| CT8G4RFD8266.2G6E1 | DDR4 | Crucial | 8GB | Micron | 2R X8 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |
| MTA18ASF1G72PDZ.2G6E1RG | DDR4 | Micron | 8GB | Micron | 2R X8 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |
| HMA82GR7AFR4N-VKTF | DDR4 | SKhynix | 16GB | SKhynix-IDT | 1Rx4 | 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 |
| CT16G4RFS4266.18FD1 | DDR4 | CRUCIAL | 16GB | Micron | 1Rx4 | 1.2v | 2666MHz | ECC Registered | 19 | 288-pin |
| MTA18ASF2G72PZ.2G6D1QI | DDR4 | Micron | 16GB | Micron | 1Rx4 | 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 |
| M393A2K40CB2-CVFBO | DDR4 | Samsung | 16GB | Samsung-IDT | 1Rx4 | 1.2v | 2933MHz | ECC Registered | 21 | 288-pin |
| M393A2K43CB2-CVFBO | DDR4 | Samsung | 16GB | Samsung-IDT | 2Rx8 | 1.2v | 2933MHz | ECC Registered | 21 | 288-pin |
| M393A4K40CB2-CVFBO | DDR4 | Samsung | 32GB | Samsung-IDT | 2Rx4 | 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 |
| 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 |
| 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 |
| 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 |
| HMA81GR7CJR8N-WM TG | DDR4 | SKhynix | 8GB | SKhynix-IDT | 1Rx8 | 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 |
| 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 |
| NT16GA72D8PBX3P-IX | DDR4 | Nanya | 16GB | Nanya-IDT | 2Rx8 | 1.2v | 2933MHz | ECC Registered | 21 | 288-pin |
| NT32GA72D4NBX3P-IX | DDR4 | Nanya | 32GB | Nanya-Montage or IDT | 2Rx4 | 1.2v | 2933MHz | ECC Registered | 21 | 288-pin |
| M393A2K40DB2-CVFBO | DDR4 | Samsung | 16GB | Samsung-IDT | 1Rx4 | 1.2v | 2933MHz | ECC Registered | 21 | 288-pin |
| M393A4K40DB2-CVFBO | DDR4 | Samsung | 32GB | Samsung-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 |
| KSM29RD4/32HDR | DDR4 | Kingston | 32GB | SKhynix-Rambus | 2Rx4 | 1.2v | 2933MHz | ECC Registered | 21 | 288-pin |
| M393A2K43DB2-CVFBO | DDR4 | Samsung | 16GB | Samsung-IDT | 2Rx8 | 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 |
| RDIMM (Only support CascadeLake) | | | | | | | | | | |
| M393A8G40MB2-CTD7G | DDR4 | Samsung | 64GB | Samsung-IDT | 2Rx4 | 1.2v | 2666MHz | ECC Registered | 19 | 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 |
| MTA36ASF8G72PZ.2G9E1TI | DDR4 | Micron | 64GB | Micron-Montage | 2Rx4 | 1.2v | 2933MHz | ECC Registered | 21 | 288-pin |
| M393A8G40AB2-CVFBY | DDR4 | Samsung | 64GB | 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 |
| LRDIMM | | | | | | | | | | |
| M386A8K40CM2-CVFBY | DDR4 | Samsung | 64GB | Samsung-IDT | 4DRx4 | 1.2v | 2933MHz | ECC Registered | 21 | 288-pin |
| HMAA8GL7AMR4N-VKTF | DDR4 | SKhynix | 64GB | SKhynix | 4DRx4 | 1.2v | 2666MHz | ECC Registered | 17 | 288-pin |
| CT32G4LFD424A-2G3B1 | DDR4 | CRUCIAL | 32GB | Micron | 2Rx4 | 1.2v | 2400MHz | ECC Registered | 17 | 288-pin |

| | | | | | | | | | | | |
|--|------|-----------------|---------------------------|-------------|------------------|-------------------|---------------------------------------|----------------------------------|--------------------------------|------|--------------|
| M386A8K40BM2-CTD70 | DDR4 | Samsung | 64GB | Samsung | Apache Pass DIMM | 4DRx4 | 1.2v | 2666MHz | ECC Registered | 17 | 288-pin |
| Apache Pass DIMM | | | | | | | | | | | |
| Product Name | | Memory Type | Module Supplier | Size | TDP | Pins | Note | | | | |
| NMA1XBD128G2SE 3DXP PAK 1 | | Apache Pass | Intel | 128GB | 15W | 288-pin | | | | | |
| NMA1XBD256G0QS QUXD | | Apache Pass | Intel | 256GB | 18W | 288-pin | | | | | |
| NMA1XBD512G0SE 3DXP PAK | | Apache Pass | Intel | 512GB | 18W | 288-pin | | | | | |
| Seagate HDD (SAS HDD may need RAID Card support) | | | | | | | | | | | |
| 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 | |
| ST2000NX0403 | SATA | Seagate | 2.5" | 512n | 2TB | 6Gb/s | Exos 7E2000 (Enterprise Capacity V.3) | 128MB | 7200 | N/A | |
| Seagate Enterprise Capacity 3.5 HDD | | | | | | | | | | | |
| ST1000NM0146 | SATA | Seagate | 3.5" | 4Kn | 10TB | 6Gb/s | Exos X10 (Enterprise Capacity V.6) | 256MB | 7200 | N/A | |
| ST12000NM0007 | SATA | Seagate | 3.5" | 512e | 12TB | 6Gb/s | Exos X12 (Enterprise Capacity V.7) | 256MB | 7200 | N/A | |
| ST8000NM000A | SATA | Seagate | 3.5" | 512e | 8TB | 6Gb/s | EXOS 7E8 | 256MB | 7200 | N/A | |
| ST14000NM0018 | SATA | Seagate | 3.5" | 512e | 14TB | 6Gb/s | Exos X14 (Enterprise Capacity) | 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) | | | | | | | | | | | |
| Enterprise Hard Drives | | | | | | | | | | | |
| Product Name | | Type | Vendor | Form Factor | Format | Capacity | Interface Speed | Series | Cache | RPM | Encryption |
| HUH721212ALE604(10pcs) | | SATA | HGST / WD | 3.5" | 512e | 12TB | 6Gb/s | Ultrastar He12 | 256MB | 7200 | N/A |
| HUS722T2TALA604 / 1W10002 | | SATA | HGST / WD | 3.5" | 512n | 2TB | 6Gb/s | Ultrastar DC HA210 (7K2) | 128MB | 7200 | N/A |
| HUS726T6TAL6L4 | | SATA | HGST / WD | 3.5" | 512e | 6TB | 6Gb/s | Ultrastar DC HC310 (7K6) | 256MB | 7200 | N/A |
| HUS726T4TAL6L4 | | SATA | HGST / WD | 3.5" | 512e | 4TB | 6Gb/s | Ultrastar DC HC310 (7K6) | 256MB | 7200 | N/A |
| HUS728T8TAL6L4 | | SATA | HGST / WD | 3.5" | 512e | 8TB | 6Gb/s | Ultrastar® DC HC320 (7K8) | 256MB | 7200 | Secure Erase |
| Toshiba HDD (SAS HDD may need RAID Card support) | | | | | | | | | | | |
| Enterprise Hard Drives | | | | | | | | | | | |
| Product Name | | Type | Vendor | Form Factor | Format | Capacity | Interface Speed | Series | Cache | RPM | Encryption |
| MG06ACA10TE | | SATA | Toshiba | 3.5" | 512e | 10TB | 6Gb/s | Capacity | 256MB | 7200 | N/A |
| MG04ACA100N | | SATA | Toshiba | 3.5" | 512e | 1TB | 6Gb/s | Capacity | 128MB | 7200 | N/A |
| MG05ACA800E | | SATA | Toshiba | 3.5" | 512e | 8TB | 6Gb/s | Capacity | 128MB | 7200 | N/A |
| MG05ACA800A | | SATA | Toshiba | 3.5" | 4Kn | 8TB | 6Gb/s | Capacity | 128MB | 7200 | N/A |
| WD HDD(SAS HDD may need RAID Card support) | | | | | | | | | | | |
| Enterprise Hard Drives | | | | | | | | | | | |
| Product Name | | Type | Vendor | Form Factor | Format | Capacity | Interface Speed | Series | Cache | RPM | Encryption |
| WUS721010ALE6L4 | | SATA | WD | 3.5" | 512e | 10TB | 6Gb/s | Ultrastar® DC HC330 | 256MB | 7200 | N/A |
| SATA/SAS SSD | | | | | | | | | | | |
| SATA/SAS SSD | | | | | | | | | | | |
| Product Name | | Type | Vendor | Form Factor | Interface | Capacity | Interface Speed | FW | Note | | |
| SSDSC2KB960G701 (Series DC S4500) | | SSD | Intel | 2.5" | SATA | 960GB | 6Gb/s | | | | |
| SSDSC2KG019T701 (Series DC S4600) | | SSD | Intel | 2.5" | SATA | 1.92TB | 6Gb/s | | | | |
| MZ7KM1T9HMJP-0005 (SM863a) | | SSD | Samsung | 2.5" | SATA | 1.92TB | 6Gb/s | | | | |
| Micron 5100 MTFDDAK960TBY-1AR1ZABYY | | SSD | Micron | 2.5" | SATA | 960GB | 6Gb/s | | | | |
| MZ-7LH1T9NE 883 DCT Series | | SSD | Samsung | 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 | | | | |
| XA960LE10063 | | SSD | Seagate | 2.5" | SATA | 960GB | 6Gb/s | | | | |
| XA480LE10063 | | SSD | Seagate | 2.5" | SATA | 480GB | 6Gb/s | | | | |
| ASR1100SS-240GT-B | | SSD | ADATA | 2.5" | SATA | 240GB | 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 | | | | |
| SED500M/3840G DC500M Series | | SSD | Kingston | 2.5" | SATA | 3.84TB | 6Gb/s | | | | |
| SED500M/1920G DC500M Series | | SSD | Kingston | 2.5" | SATA | 1.92TB | 6Gb/s | | | | |
| SED500M/960G DC500M Series | | SSD | Kingston | 2.5" | SATA | 960GB | 6Gb/s | | | | |
| SED500M/480G DC500M Series | | SSD | Kingston | 2.5" | SATA | 480GB | 6Gb/s | | | | |
| PCIe SSD | | | | | | | | | | | |
| PCIe SSD | | | | | | | | | | | |
| Product Name | | Type | Vendor | Form Factor | Interface | Capacity | Interface Speed | Note | | | |
| SSDPEDKX040T701 P4500 Series PCIe Gen3 x4 4TB | | PCIe | Intel | PCI-E 3.0 | PCIe(NVMe) | 4TB | - | | | | |
| Samsung PM1725a MZPLL1T6HEHP PCIe Gen3 x8 1.6TB | | PCIe | Samsung | PCI-E 3.0 | PCIe(NVMe) | 1.6TB | - | | | | |
| Techman XC100C5C-1600 1600GB | | PCIe | Techman | PCI-E 3.0 | PCIe(NVMe) | 1.6TB | - | | | | |
| GPGPU Card (GPGPU server only) | | | | | | | | | | | |
| Product Name | | Processor Cores | Memory Bandwidth (GB/sec) | VRAM | OpenGL | Microsoft DirectX | Graphics Card Power (W) | NVIDIA SLI / AMD CrossFire Ready | Note | | |
| NVIDIA Tesla (http://www.NVIDIA.com/object/tesla-supercomputing-solutions.html) | | | | | | | | | | | |
| P40 (Pascal) | | 3840 | 346 GB/s | 24GB | | | 250 W | | (Maximum support 8 pcs GPGPU) | | |

| P4 (Pascal) | 2560 | 192 GB/s | 8GB | - | - | 50/70 W | - | (Maximum support 8 pcs GPGPU) |
|---|---|---------------------------|----------------|-------------------------------------|-------------------|-------------------------------------|----------------------------------|--------------------------------|
| V100 (VOLTA) | 5120 | 900 GB/s | 16GB | - | - | 250 W | - | (Maximum support 8 pcs GPGPU) |
| T4 (TURING) | 2560 | 320 GB/s | 16GB | - | - | 70 W | - | (Maximum support 8 pcs GPGPU) |
| RTX6000 passive (TURING) | 4608 | 624 GB/s | 24GB | - | - | 250 W | - | (Maximum support 8 pcs GPGPU) |
| RTX 8000 Passive | 4608 | 624GB/s | 48GB | - | - | 250W | - | (Maximum support 8 pcs GPGPU) |
| 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 | | | | | | | | |
| CRA4448 | LSI SAS 3108 | PCIe- x8 Gen3 x8 bus | 8 | 2 x internal Mini-SAS HD SFF8643 | - | - | 12Gb/s ports | |
| CRA4548 | LSI SAS 3108 | PCIe- x8 Gen3 x8 bus | 8 | 1 x internal Mini-SAS HD SFF8643 | 4 | 1 x external Mini-SAS HD SFF8644 | 12Gb/s ports | |
| CRA3338 | LSI SAS 3008 | PCIe- x8 Gen3 x8 bus | 8 | 2 x Mini-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 | |
| LSI RAID Controller Cards | | | | | | | | |
| MegaRAID SAS 9380-8e | LSISAS3108 dual core RAID on Chip (ROC) | x8 lane PCI Express® 3.0 | - | - | 8 | 2 x Mini-SAS HD SFF8644 | Up to 12Gb/s per port | |
| PMC RAID Cards (Adaptec) | | | | | | | | |
| Adaptec ASR-8885Q | - | 8-lane PCIe Gen3 | 8 | 2 x internal mini SAS HD (SFF-8643) | 8 | 2 x external mini SAS HD (SFF-8644) | 12Gb/s per port | |
| LAN Cards | | | | | | | | |
| Product Name | Connector | System Interface Type | # of Ports | System Interface Type | Data rate | Note | | |
| GIGABYTE LAN Cards | | | | | | | | |
| CLN4121 | RJ-45 | PCIe x4 Gen3 x4 | single | 10Gb/s per port | - | INTEL X550-AT | | |
| CLN4222 | RJ-45 | PCIe x4 Gen3 x4 | Dual | 10Gb/s per port | - | INTEL X550-AT2 | | |
| 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 | | |
| 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 | | |
| 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 | | |
| GC-MLBZ1 | SFP+ | PCIe x8 Gen2 x8 | Dual | 10Gb/s per port | - | Broadcom BCM57810S | | |
| GC-MNXE21 | SFP+ | PCIe x8 Gen3 x8 | Dual | 10Gb/s per port | - | Mellanox ConnectX-3 | | |
| 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-DA4 | SFP+ | PCIe v3.0 (8.0 GT/s) | Quad | 10Gb/s per port | - | | | |
| Mellanox ConnectX | | | | | | | | |
| MCX516A-CCAT | QSFP28 | PCIe Gen3 x16 | Dual | 100Gb/s per port | - | Mellanox ConnectX-5 EN | | |
| MCX515A-CCAT | QSFP28 | PCIe Gen3 x16 | Single | 100Gb/s per port | - | Mellanox ConnectX-5 EN | | |
| MCX516A-GCAT | QSFP28 | PCIe Gen3 x16 | Dual | 50Gb/s per port | - | Mellanox ConnectX-5 EN | | |
| Ologic LAN Adapters | | | | | | | | |
| OLE3442-RJ-CK | RJ-45 | PCIe x8 Gen3 x8 | Dual | 10Gb/s per port | - | | | |
| OL41112HLRJ | RJ-45 | PCIe x8 Gen3 x8 | Dual | 10Gb/s per port | - | | | |
| Intel Omni-Path Host Fabric | | | | | | | | |
| Intel® Omni-Path Host Fabric Adapters 100HFA016LS | QSFP28 | PCIe v3.0 x16 | Single | 100Gb/s per port | - | | | |
| GPGPU Card | | | | | | | | |
| 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) | | | | | | | | |
| P40 (Pascal) | 3840 | 346 GB/s | 24GB | - | - | 250 W | - | (Maximum support 8 pcs GPGPU) |
| P4 (Pascal) | 2560 | 192 GB/s | 8GB | - | - | 50/70 W | - | (Maximum support 8 pcs GPGPU) |
| V100 (VOLTA) 16GB | 5120 | 900 GB/s | 16GB | - | - | 250 W | - | (Maximum support 8 pcs GPGPU) |
| T4 (TURING) | 2560 | 320 GB/s | 16GB | - | - | 70 W | - | (Maximum support 8 pcs GPGPU) |
| AMD Radeon Instinct | | | | | | | | |
| M150 (Vega20) 32GB | 3840 | 1024GB/s | 32GB | - | - | 300 W | - | |
| USB Device | | | | | | | | |
| Product Name | Type | Vendor | Capacity | Note | | | | |
| USB 3.0 | | | | | | | | |
| PURE CLASSIC X176B1FWB075 | 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 | | | | | | |
| MB981 U3-1S | Device | ICYDOCK | | | | | | |
| 810-SB3(6G) | Device | STARDOM | | | | | | |