



eDrawer4048S-UN Approved Vendor List (AVL)

Description

This document is to present the vendor components that are qualified and approved to be used in conjunction with Premio enclosure. The list is curated from Premio lab test results, as well as from AVL and QVL of the aforementioned components. Items unlisted do not reflect on their incompatibility rather than they have yet looked upon. Disqualified items may be listed explicitly. Items on the list are subject to change.

Enclosures

eDrawer4048S-D4

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CPU AVL

This list is compiled based on the compatibility between CPU and motherboard.

| Product Name | Code Name | Package | Stepping | L3 Cache | # of Cores/Threads | Process or Base Freq (GHz) | All Cores Boost Max Freq (GHz) | Processor Boost | TDP | Memory Types |
|----------------|-----------|---------|----------|----------|--------------------|----------------------------|--------------------------------|-----------------|----------|----------------|
| AMD 7601 | | | | | | | | | | |
| PS7601BDVIHAF | Naples | SP3 | PR | 64MB | 32 / 64 | 2.2 | 2.7 3.20 / 3 | | 180W | DDR4-2666 |
| AMD 7551 | | | | | | | | | | |
| PS7551BDVIHAF | Naples | SP3 | PR | 64MB | 32 / 64 | 2 | 2.55 3.00 / 3 | | 180W | DDR4-2666 |
| AMD 7451 | | | | | | | | | | |
| PS7451BDVHCAFA | Naples | SP3 | PR | 64MB | 24 / 48 | 2.3 | 3.2 3.20 / 3 | | 180W | DDR4-2666 |
| AMD 7351 | | | | | | | | | | |
| PS7351BEVGPAF | Naples | SP3 | PR | 64MB | 16 / 32 | 2.4 | 2.9 2.90 / 2 | | 155/170W | DDR4-2400/2666 |
| AMD 7351P | | | | | | | | | | |
| PS7351BEVGPAF | Naples | SP3 | PR | 64MB | 16 / 32 | 2.4 | 2.9 2.90 / 2 | | 155/170W | DDR4-2400/2666 |
| AMD 7501 | | | | | | | | | | |
| PS7501BEVIHAF | Naples | SP3 | PR | 64MB | 32 / 64 | 2 | 2.6 3.00 / 3 | | 155/170W | DDR4-2400/2666 |
| AMD 7401 | | | | | | | | | | |
| PS7401BEVHCAF | Naples | SP3 | PR | 64MB | 24 / 48 | 2 | 2.8 3.00 / 3 | | 155/170W | DDR4-2400/2666 |
| AMD 7401P | | | | | | | | | | |
| PS7401BEVHCAF | Naples | SP3 | PR | 64MB | 24 / 48 | 2 | 2.8 3.00 / 3 | | 155/170W | DDR4-2400/2666 |
| AMD 7301 | | | | | | | | | | |
| PS7301BEVGPAF | Naples | SP3 | PR | 64MB | 16 / 32 | 2.2 | 2.7 2.70 / 2 | | 155/170W | DDR4-2400/2666 |
| AMD 7251 | | | | | | | | | | |
| PS7251BFV8SAF | Naples | SP3 | PR | 32MB | 8 / 16 | 2 | 2.9 2.90 / 2 | | 120W | DDR4-2400 |



Memory AVL

This list is compiled based on the compatibility between memory module and motherboard.

| Product Name | Memory | Module Suppl | Size | Chip Brand | Rank | Voltage | Data Transfer | Error Co | CAS Laten | Pins | Note |
|-------------------------|--------|--------------|------|----------------|-------|---------|---------------|----------|------------|------|---------|
| HMA82GR7AFR8N-UHTD | DDR4 | SK Hynix | 16GB | SK Hynix | 2R X8 | 1.2v | 2400MHz | ECC | Registerec | 17 | 288-pin |
| HMA82GR7AFR8N-UHT2 | DDR4 | SK Hynix | 16GB | SK Hynix | 2R X8 | 1.2v | 2400MHz | ECC | Registerec | 17 | 288-pin |
| HMA84GR7AFR4N-UHTD | DDR4 | SK Hynix | 32GB | SK Hynix | 2R X4 | 1.2v | 2400MHz | ECC | Registerec | 17 | 288-pin |
| HMA84GR7AFR4N-UHT2 | DDR4 | SK Hynix | 32GB | SK Hynix | 2R X4 | 1.2v | 2400MHz | ECC | Registerec | 17 | 288-pin |
| CT16G4RFD424A.36FB1 | DDR4 | Crucial | 16GB | Micron | 2R X4 | 1.2v | 2400MHz | ECC | Registerec | 17 | 288-pin |
| MTA36ASF2G72PZ-2G3B1QK | DDR4 | Micron | 16GB | Micron | 2R X4 | 1.2v | 2400MHz | ECC | Registerec | 17 | 288-pin |
| CT16G4RFS424A.18FB1 | DDR4 | Crucial | 16GB | Micron | 1R X4 | 1.2v | 2400MHz | ECC | Registerec | 17 | 288-pin |
| MTA18ASF2G72PZ-2G3B1IG | DDR4 | Micron | 16GB | Micron | 1R X4 | 1.2v | 2400MHz | ECC | Registerec | 17 | 288-pin |
| M4R0-8GSSBCSJ | DDR4 | INNODISK | 8GB | Samsung | 2R X4 | 1.2v | 2400MHz | ECC | Registerec | 17 | 288-pin |
| M393A4K40BB1-CRC0Q | DDR4 | Samsung | 32GB | Samsung | 2R X4 | 1.2v | 2400MHz | ECC | Registerec | 17 | 288-pin |
| VP9MR4G7224JBJSB | DDR4 | Viking | 32GB | Samsung | 2R X4 | 1.2v | 2400MHz | ECC | Registerec | 17 | 288-pin |
| M393A4K40BB2-CTD | DDR4 | Samsung | 32GB | Samsung | 2R X4 | 1.2v | 2666MHz | ECC | Registerec | 19 | 288-pin |
| CT32G4RFD4266.36FD1 | DDR4 | CRUCIAL | 32GB | Micron | 2R X4 | 1.2v | 2666MHz | ECC | Registerec | 19 | 288-pin |
| CT32G4RFD4266-2G6D1 | DDR4 | CRUCIAL | 32GB | Micron | 2R X4 | 1.2v | 2666MHz | ECC | Registerec | 19 | 288-pin |
| MTA36ASF4G72PZ.2G6D1RG | DDR4 | Micron | 32GB | Micron-Inphi | 2R X4 | 1.2v | 2666MHz | ECC | Registerec | 19 | 288-pin |
| MTA36ASF4G72PZ.2G6D1QK | DDR4 | Micron | 32GB | Micron-Montage | 2R X4 | 1.2v | 2666MHz | ECC | Registerec | 19 | 288-pin |
| CT32G4RFD4266.-2G6D1 | DDR4 | CRUCIAL | 32GB | Micron | 2R X4 | 1.2v | 2666MHz | ECC | Registerec | 19 | 288-pin |
| HMA82GR7AFR8N-VKT3 | DDR4 | SKhynix | 16GB | Skhynix-Montag | 2R X4 | 1.2v | 2666MHz | ECC | Registerec | 19 | 288-pin |
| HMA84GR7AFR4N-VKTF | DDR4 | SKhynix | 32GB | Skhynix-IDT | 2R X4 | 1.2v | 2666MHz | ECC | Registerec | 19 | 288-pin |
| CT16G4RFD8266-2G6H1.001 | DDR4 | CRUCIAL | 16GB | Micron | 2R X8 | 1.2v | 2666MHz | ECC | Registerec | 19 | 288-pin |
| MTA18ASF2G72PDZ-2G6H1QG | DDR4 | Micron | 16GB | Micron | 2R X8 | 1.2v | 2666MHz | ECC | Registerec | 19 | 288-pin |
| CT32G4RFD4266-2G6H1.001 | DDR4 | CRUCIAL | 32GB | Micron | 2R X4 | 1.2v | 2666MHz | ECC | Registerec | 19 | 288-pin |
| MTA36ASF4G72PZ-2G6H1QG | DDR4 | Micron | 32GB | Micron | 2R X4 | 1.2v | 2666MHz | ECC | Registerec | 19 | 288-pin |
| HMAA8GL7AMR4N-UHTE | DDR4 | SKhynix | 64GB | SKhynix | 4DRx4 | 1.2v | 2400MHz | ECC | Registerec | 17 | 288-pin |
| M386A8K40BM1-CRC4Q M | DDR4 | Samsung | 64GB | Samsung | 4DRx4 | 1.2v | 2400MHz | ECC | Registerec | 17 | 288-pin |



IO Card AVL

This list is compiled based on the compatibility between the host IO cards and the enclosure.

| IO Card | Vendor | Name | Model | Chipset | Host Bus | Cle Lan | Xfer Rate | Int. Port | Ext. Port | Connector | Form Factor | |
|-------------|----------|------------|---------------|-------------|-----------|-----------|------------------|-----------|-----------|-------------|-------------|----|
| SAS Card | Avago | MegaRAID | SAS 9286-8e | SAS2208 | PCIe Gen3 | x8 | 6Gb/s | 0 | 8 | SFF-8088 | LP | |
| | | HBA | SAS 9207-8e | SAS2308 | PCIe Gen3 | x8 | 6Gb/s | 0 | 8 | SFF-8087 | LP | |
| | | HBA | SAS 9207-4i4e | SAS2308 | PCIe Gen3 | x8 | 6Gb/s | 4 | 4 | SFF-8087/88 | LP | |
| | | HBA | SAS 9305-24i | SAS3224 IOC | PCIe Gen3 | x8 | 12Gb/s | 24 | 0 | SFF-8644 | LP | |
| | | HBA | SAS 9305-16e | SAS3224 IOC | PCIe Gen3 | x8 | 12Gb/s | 0 | 16 | SFF-8644 | LP | |
| | | HBA | SAS 9300-8e | SAS3008 IOC | PCIe Gen3 | x8 | 12Gb/s | 0 | 8 | SFF-8644 | LP | |
| | | HBA | SAS 9300-16e | SAS3008 IOC | PCIe Gen3 | x8 | 12Gb/s | 0 | 16 | SFF-8644 | LP | |
| | | HBA | SAS 9300-4i4e | SAS3008 IOC | PCIe Gen3 | x8 | 12Gb/s | 4 | 4 | SFF-8643/44 | LP | |
| | | MegaRAID | SAS 9380-8i8e | SAS3108 ROC | PCIe Gen3 | x8 | 12Gb/s | 8 | 8 | SFF-8643/44 | LP | |
| | | MegaRAID | SAS 9380-8e | SAS3108 ROC | PCIe Gen4 | x8 | 12Gb/s | 0 | 8 | SFF-8644 | LP | |
| | Adaptec | | ASR-71605 | | | | | | | | LP | |
| | ATTO | | H12F0 | | | | 12Gb/s | | 16 | | LP | |
| Network Car | Mellanox | ConnectX-3 | CX354A | | PCIe Gen3 | x8 | ib/s IB or 40GbE | | 2 | QSFP | LP | |
| | | | CX353A | | PCIe Gen3 | x8 | ib/s IB or 40GbE | | 1 | QSFP | LP | |
| | | ConnectX-4 | CX456A | | PCIe Gen3 | x8 | 0Gb/s IB or GbE | | | | | LP |
| | | | CX415A | | PCIe Gen3 | x8 | 0Gb/s IB or GbE | | | | | LP |
| | | | CX416A | | PCIe Gen3 | x8 | 0Gb/s IB or GbE | | | | | LP |
| | Intel | | X520 | | 82599 | PCIe Gen3 | x8 | 10GbE | 0 | 2 | SFP+ | LP |
| | | | XL710-QDA1 | | XL710 | PCIe Gen3 | x8 | 40GbE | 0 | 1 | QSFP+ | LP |
| | | | XL710-QDA2 | | XL710 | PCIe Gen3 | x8 | 40GbE | 0 | 2 | SFP28 | LP |
| | | | X710-DA2 | | XL710 | PCIe Gen3 | x8 | 10GbE | 0 | 2 | SFP+ | LP |
| | | | X710-DA4 | | XL710 | PCIe Gen3 | x8 | 10GbE | 0 | 4 | SFP+ | LP |
| | | | X550-T1 | | 550 | PCIe Gen3 | x8 | 10GbE | 0 | 1 | RJ-45 | LP |
| | | | X550-T2 | | 550 | PCIe Gen3 | x8 | 10GbE | 0 | 2 | RJ-45 | LP |
| | | | X540-T1 | | 540 | PCIe Gen3 | x8 | 10GbE | 0 | 1 | RJ-45 | LP |

| | | | | | | | | | |
|--------------|--------------|-------|-----------|----|-----------|---|--------|-------|----|
| | X540-T2 | 540 | PCIe Gen3 | x8 | 10GbE | 0 | 2 | RJ-45 | LP |
| | X520-SR2 | 520 | PCIe Gen3 | x8 | 10GbE | 0 | 2 | MMF | LP |
| | X520-SR1 | 520 | PCIe Gen3 | x8 | 10GbE | 0 | 1 | MMF | LP |
| | X520-QDA1 | 520 | PCIe Gen3 | x8 | 10GbE | 0 | 1 | QSFP+ | LP |
| | X520-LR1 | 520 | PCIe Gen3 | x8 | 10GbE | 0 | 1 | SMF | LP |
| | X520-DA2 | 520 | PCIe Gen3 | x8 | 10GbE | 0 | 2 | SFP+ | LP |
| | I340-F4 | | | | 1GbE | | | MMF | |
| | I350-F2 | | | | 1GbE | | | MMF | |
| | I350-F4 | | | | 1GbE | | | MMF | |
| | I350-T4V2 | | | | 1GbE | | | | |
| Qlogic | QLE2563 | | PCIe Gen3 | x8 | | | | | LP |
| | QLE2672 | | PCIe Gen3 | x8 | | | | | LP |
| | QLE3242 | | PCIe Gen3 | x8 | | | 2 | RJ-45 | LP |
| | QLE2562 | | PCI-E 2.0 | x8 | 8 Gb/s FC | | 2 SFP+ | | LP |
| HotLava | HL-100G2Q-XL | XL710 | PCIe Gen3 | x8 | 40GbE | | 1 | QSFP | LP |
| Atto | FC-322E | | | | 32Gb FC | | | | LP |
| Storage Carc | Samsung | | | | | | | | |
| | SM1715 | | PCIe Gen3 | x8 | PCIe NVMe | | | | LP |
| | Kingston | | | | | | | | |
| | EP1000 | | PCIe Gen3 | x8 | PCIe NVMe | | | | LP |



SAS HDD AVL

This list is compiled based on the compatibility between hard drives and expander. Premio backplane is used as a passive medium between those components. Only drives with 3.5" form factor are supported by the enclosures.

| Vendor | Model | Type | Gen | FW | Capacity | Size | Cache | RPM |
|---------|-----------------|------|--------|------|----------|------|-------|----------|
| WD | WD4001FYYG | SAS | 6Gb/s | VR07 | 4TB | 3.5" | 32MB | 7200 RPM |
| | WD3001FYYG | SAS | 6Gb/s | VR07 | 3TB | 3.5" | 32MB | 7200 RPM |
| | WD2001FYYG | SAS | 6Gb/s | VR07 | 2TB | 3.5" | 32MB | 7200 RPM |
| | WD1001FYYG | SAS | 6Gb/s | VR07 | 1TB | 3.5" | 32MB | 7200 RPM |
| | WD9001HKHG | SAS | 6Gb/s | SR07 | 900GB | 3.5" | 32MB | 10K RPM |
| | WD6001HKHG | SAS | 6Gb/s | SR07 | 600GB | 3.5" | 32MB | 10K RPM |
| | WD4501HKHG | SAS | 6Gb/s | SR07 | 450GB | 3.5" | 32MB | 10K RPM |
| | WD3001HKHG | SAS | 6Gb/s | SR07 | 300GB | 3.5" | 32MB | 10K RPM |
| HGST | HUS726060ALS640 | SAS | 6Gb/s | A1E2 | 6TB | 3.5" | 64MB | 7200 RPM |
| | HUS724040ALS640 | SAS | 6Gb/s | A152 | 4TB | 3.5" | 64MB | 7200 RPM |
| | HUS724030ALS640 | SAS | 6Gb/s | A152 | 3TB | 3.5" | 64MB | 7200 RPM |
| | HUS724020ALS640 | SAS | 6Gb/s | A152 | 2TB | 3.5" | 64MB | 7200 RPM |
| | HUS723030ALS640 | SAS | 6Gb/s | A220 | 3TB | 3.5" | 64MB | 7200 RPM |
| | HUS723020ALS640 | SAS | 6Gb/s | A220 | 2TB | 3.5" | 64MB | 7200 RPM |
| | HUS156060VLS600 | SAS | 6Gb/s | A5D0 | 600GB | 3.5" | 64MB | 15K RPM |
| | HUS156045VLS600 | SAS | 6Gb/s | A5D0 | 450GB | 3.5" | 64MB | 15K RPM |
| | HUS156030VLS600 | SAS | 6Gb/s | A5D0 | 300GB | 3.5" | 64MB | 15K RPM |
| Seagate | ST32000444SS | SAS | 6Gb/s | 5 | 2 TB | 3.5" | | 7200 RPM |
| | ST33000650SS | SAS | 6Gb/s | 2 | 3TB | 3.5" | | 7200 RPM |
| | ST32000645SS | SAS | 6Gb/s | 2 | 2TB | 3.5" | | 7200 RPM |
| | ST2000NM0001 | SAS | 6Gb/s | 2 | 2TB | 3.5" | | 7200 RPM |
| | ST1000NM0001 | SAS | 6Gb/s | 2 | 1TB | 3.5" | | 7200 RPM |
| | ST500NM0001 | SAS | 6Gb/s | 2 | 500GB | 3.5" | | 7200 RPM |
| | ST33000650SS | SAS | 6Gb/s | 1 | 3TB | 3.5" | | 7200 RPM |
| | ST32000445SS | SAS | 6Gb/s | 6 | 2TB | 3.5" | | 7200 RPM |
| | ST31000424SS | SAS | 6Gb/s | 6 | 1TB | 3.5" | | 7200 RPM |
| | ST3500414SS | SAS | 6Gb/s | 6 | 500GB | 3.5" | | 7200 RPM |
| | ST32000444SS | SAS | 6Gb/s | 5 | 2TB | 3.5" | | 7200 RPM |
| | ST31000424SS | SAS | 6Gb/s | 5 | 1TB | 3.5" | | 7200 RPM |
| | ST3500414SS | SAS | 6Gb/s | 5 | 500GB | 3.5" | | 7200 RPM |
| | ST3450802SS | SAS | 6Gb/s | 9 | 450GB | 3.5" | | 10K RPM |
| | ST3600002SS | SAS | 6Gb/s | 9 | 600GB | 3.5" | | 10K RPM |
| | ST3600057SS | SAS | 6Gb/s | 8 | 600GB | 3.5" | | 15K7 RPM |
| | ST3450857SS | SAS | 6Gb/s | 8 | 450GB | 3.5" | | 15K7 RPM |
| | ST3300657SS | SAS | 6Gb/s | 8 | 300GB | 3.5" | | 15K7 RPM |
| | ST6000NM0034 | SAS | 12Gb/s | | 6TB | 3.5" | 128MB | 7200 RPM |
| Toshiba | MG03SCA100 | SAS | 6Gb/s | 108 | 1TB | 3.5" | | 7200 RPM |

| | | | | | | |
|------------|-----|-------|-----|-----|------|----------|
| MG03SCA200 | SAS | 6Gb/s | 108 | 2TB | 3.5" | 7200 RPM |
| MG03SCA300 | SAS | 6Gb/s | 108 | 3TB | 3.5" | 7200 RPM |
| MG03SCA400 | SAS | 6Gb/s | 108 | 4TB | 3.5" | 7200 RPM |
| MK2001TRKB | SAS | 6Gb/s | 105 | 2TB | 3.5" | 7200 RPM |
| MK1001TRKB | SAS | 6Gb/s | 105 | 1TB | 3.5" | 7200 RPM |



OS Drive AVL

| Product Name | Type | Vendor | Form Fact | Format | Capacity | Interface S | Series | Cache | RPM |
|--------------------|------|----------|-----------|-----------|----------|-------------|------------------------|-------|------|
| ST2000NX0243 | SATA | Seagate | 2.5" | 4Kn | 2TB | 6Gb/s | Enterprise Capacity V3 | 128MB | 7200 |
| ST1000NX0333 | SAS | Seagate | 2.5" | 512e | 1TB | 12Gb/s | Enterprise Capacity V3 | 128MB | 7200 |
| ST8000NM0055 | SATA | Seagate | 3.5" | 512e | 8TB | 6Gb/s | Enterprise Capacity V5 | 256MB | 7200 |
| ST1000NM0016 | SATA | Seagate | 3.5" | 512e | 10TB | 6Gb/s | Enterprise Capacity V6 | 256MB | 7200 |
| ST8000NM0016 | SATA | Seagate | 3.5" | 512e | 8TB | 6Gb/s | Enterprise Capacity V6 | 256MB | 7200 |
| WD4000FYYZ-01UL1B1 | SATA | WD | 3.5" | 512n | 4TB | 6Gb/s | WD Re | 64MB | 7200 |
| WD4000FYYZ-01UL1B2 | SATA | WD | 3.5" | 512n | 4TB | 6Gb/s | WD Re | 64MB | 7200 |
| WD6001FSYZ-01SS7B0 | SATA | WD | 3.5" | 512e | 6TB | 6Gb/s | WD Re | 128MB | 7200 |
| HUH728080ALE604 | SATA | HGST | 3.5" | 512e | 8TB | 6Gb/s | Ultrastar He8 | 128MB | 7200 |
| HUS726060ALE610 | SATA | HGST | 3.5" | 512e | 6TB | 6Gb/s | Ultrastar 7K6000 | 128MB | 7200 |
| MG05ACA800A | SATA | Toshiba | 3.5" | 4Kn | 8TB | 6Gb/s | Capacity | 128MB | 7200 |
| MG05ACA800E | SATA | Toshiba | 3.5" | 512e | 8TB | 6Gb/s | Capacity | 128MB | 7200 |
| AL14SEB120N | SAS | Toshiba | 2.5" | 512n | 1.2TB | 12Gb/s | Performance | 128MB | 10k |
| XF1212-1A0512 | SSD | Seagate | 2.5" | SATA | 480GB | 6Gb/s | RL04 | | |
| SDLF1CRR-019T-1HA1 | SSD | SanDisk | 2.5" | SATA | 1.92TB | 6Gb/s | ZR04 | | |
| PX-G128M6e-2280 | M.2 | PLEXTOR | 2280 | PCIe | 128GB | | | | |
| MZHPV256HDGL | M.2 | Samsung | 2280 | PCIe | 256GB | | | | |
| MZVPV128HDGM | M.2 | Samsung | 2280 | PCIe(NVM) | 128GB | | | | |
| MZVPV512HDGL | M.2 | Samsung | 2280 | PCIe(NVM) | 512GB | | | | |
| ND280C-256GM-MT | M.2 | TECHCOMP | 2280 | PCIe | 256GB | | | | |
| ND280C-512GM-MT | M.2 | TECHCOMP | 2280 | PCIe | 512GB | | | | |
| Me.262 256GB M.2 | M.2 | Ezlink | 2280 | PCIe | 256GB | | | | |