

| Role                     | System/Component   | Part Number             | QTY/node | Part Description   |
|--------------------------|--------------------|-------------------------|----------|--|
| Admin, LB, master        | Infrastructure     | AS-1114S-WTRT           | 1        | H12SSW-NT,CSV116TS-R504WBP   |
|                          | CPU                | PSE-ROM7552             | 1        | Rome 7552 DP/UP 48C/96T 2.2G 192M 200W 4094  |
|                          | Memory             | MEM-DR416L-HL01-ER32    | 8        | 16GB DDR4-3200 2Rx8 ECC REG DIMM   |
|                          | HDD/SSD (OS)       | HDS-X2A-XS7680TE70004   | 2        | [NR]Seagate Lange 7.68TB SAS 12Gb/s, 15mm, 2.5", 0.8DWPDP SSD, HF                      |
|                          | HDD/SSD (Cache)    | HDS-SMN1-MZ1LB3T8HMLA07 | 1        | Samsung PM983 3.84TB NVMe PCIe3x4 V4 M.2 22x110mm (1.3 DWPDP)                          |
|                          | AOC                | MCX4121A-ACAT           | 2        | Standard Low-profile Mellanox 25GbE card with 2x SFP28 ports                           |
|                          | Storage Controller | AOC-S3008L-L8i          | 1        | AOC-S3008L-L8i Retail Pack   |
|                          | Cable              | CBL-SAST-0593           | 1        | Internal Mini-SAS HD to Mini-SAS HD 60cm,30AWG,12Gb/s                                  |
|                          | Software License   | SFT-DCMS-SINGLE         | 1        | Supermicro System Managment Software Suite node license, HF, RoHS/REACH, PBF           |
| Kubernetes Workers Nodes | Infrastructure     | AS-2024US-TR4           | 1        | MBD-H12DSU-iN -O   |
|                          | CPU                | PSE-ROM7552             | 2        | Rome 7552 DP/UP 48C/96T 2.2G 192M 200W 4094  |
|                          | Memory             | MEM-DR464L-CL02-ER32    | 16       | 16GB DDR4-3200 2Rx8 ECC REG DIMM   |
|                          | HDD/SSD (OS)       | HDS-X2A-XS7680TE70004   | 2        | [NR]Seagate Lange 7.68TB SAS 12Gb/s, 15mm, 2.5", 0.8DWPDP SSD, HF                      |
|                          | HDD/SSD (Cache)    | HDS-SMN1-MZ1LB3T8HMLA07 | 1        | Samsung PM983,3.8TB,NVMe,PCIe3.0x4,V4 TLC VNAND,M.2,22x110mm---HDS-SMN1-MZ1LB3T8HMLA07 |
|                          | AOC                | MCX4121A-ACAT           | 2        | Standard Low-profile Mellanox 25GbE card with 2x SFP28 ports                           |
|                          | Storage Controller | AOC-S3008L-L8i          | 1        | AOC-S3008L-L8i Retail Pack   |
|                          | Cable-1            | CBL-SAST-0593           | 1        | Internal Mini-SAS HD to Mini-SAS HD 60cm,30AWG,12Gb/s                                  |
|                          | Cable-2            | CBL-PWEX-1016-3         | 2        | Power cables for GPU   |
|                          | RISER-1            | RSC-UMR-8               | 1        | For M.2 NVMe drive   |
|                          | RISER-2            | RSC-W2-66               | 1        | For install 2 GPUs   |
|                          | GPU                | GPU-NVTV100-32          | 2        | NVIDIA Tesla V100 GPU 32GB Memory Passive Cooling                                      |
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