

| Description of the component/accessory/option             | Vendor Name | Supplier reference and Part Number |                  | Revision<br>Firmware<br>Stepping |
|-----------------------------------------------------------|-------------|------------------------------------|------------------|----------------------------------|
|                                                           |             | model number                       | part number      |                                  |
| <b>LGA4677-X / Socket-E (MB support power up to 350w)</b> |             | <b>Base Frequency</b>              | <b>Code Name</b> | <b>Stepping level</b>            |
| Q3W5 Intel® Xeon® Platinum 8570 CPU @ 2.10 GHz 350W       | Intel       | 2.10 GHz                           | Emerald Rapids   | A-1                              |
| Q3V2 Intel® Xeon® Platinum 8558P CPU@ 2.70 GHz 350W       | Intel       | 2.7 GHz                            | Emerald Rapids   | A-1                              |
| Q3W6 Intel®Xeon®Platinum 8580 CPU@2.00 GHz 350W           | Intel       | 2.00 GHz                           | Emerald Rapids   | A-1                              |
| Intel® Xeon® Gold 5420+ @ 2.00GHZ 205W                    | Intel       | 2.00 GHz                           | Sapphire Rapids  |                                  |

| Register Memory      |         | Model Name                                   | P/N                 | Remark                                                                                 |
|----------------------|---------|----------------------------------------------|---------------------|----------------------------------------------------------------------------------------|
| 16G DDR5 5600 R-DIMM | SKhynix | SKhynix DDR5 16GB 1Rx8 PC5-5600B-RD0-1010-XT | HMCG78AGBRA191N BB  |                                                                                        |
|                      | Micron  | Micron 16GB 1RX8 PC5-5600B-RD1-1110-XT       | MTC10F1084S1RC56BD1 |                                                                                        |
| 32G DDR5 4800 R-DIMM | Samsung | 32GB 1R*4 PC5-4800                           | M321R4GA0BB0-CQKET  |                                                                                        |
| 32G DDR5 5600 R-DIMM | Samsung | 32GB 2R*8 PC-5600                            | M321R4GA3PB0-CWMCH  |                                                                                        |
| 24G DDR5 6400 R-DIMM | Micron  | Micron DDR5 RDIMM 24GB 1Rx8 6400 CL52        | MTC10F108Y51RC64BC1 | Maximum Supported Memory Speed: 5600 MHz                                               |
| 32G DDR5 6400 R-DIMM | Micron  | Micron DDR5 RDIMM 32GB 2Rx8 6400             | MTC20F2085S1RC64BD2 | Maximum Supported Memory Speed: 5600 MHz                                               |
| 48G DDR5 6400 R-DIMM | Micron  | Micron DDR5 RDIMM 48GB 1Rx8 6400             | MTC20F104XS1RC64BC1 |                                                                                        |
|                      | Micron  | Micron DDR5 RDIMM 16GB 1Rx8 6400 CL52        | MTC10F1084S1RC64BD2 | Maximum Supported Memory Speed: 5600 MHz                                               |
| 64G DDR5 6400 R-DIMM | Micron  | Micron 64GB 2RX4 PC5-6400B-RA1-1211-XT       | MTC40F2046S1RC64BD2 | Maximum Supported Memory Speed: 5600 MHz / Can't match CPU: Intel® Xeon® Platinum 8570 |

| PCIe M.2 SSD                                 |        | Model Number                        | P/N                     | Type                                               |
|----------------------------------------------|--------|-------------------------------------|-------------------------|----------------------------------------------------|
| Micron 7450 PRO PCIe Gen4 M.2 2280 960G SSD  | Micron | Micron 7450 Pro PCIe Gen4 960GB SSD | MTFDKBA960TFR-1BC1ZABYY | Performance is limited by M.2 slot PCIe lane width |
| Micron 7450 Pro PCIe Gen4 M.2 2280 480GB SSD | Micron | Micron 7450 Pro PCIe Gen4 480GB SSD | MTFDKBA480TFR-1BC1ZABYY |                                                    |

| NIC CARDS (see motherboard section for LOM)  |          | Model Name                            | P/N                  | Remark |
|----------------------------------------------|----------|---------------------------------------|----------------------|--------|
| Broadcom BCM957508-P2100G                    | Broadcom | BCM957508-P2100G Dual Port 100Gbs     | BCM957508-P2100G     |        |
| Broadcom BCM957412A4120AC_04                 | Broadcom | PCIe standard slot 10G SFP+ dual port | BCM957412A4120AC_04  |        |
| Broadcom BCM957608-P2200GQF00 Dual Port 200G | Broadcom | BCM957608-P2200GQF00 Dual Port 200G   | BCM957608-P2200GQF00 |        |
| Mellanox MCX623106AN-CDAT                    | Mellanox | MCX623106AN-CDAT Dual port 100Gbs     | MT2225J45138         |        |

| HBA & Raid                |          | Model Name                | S/N, P/N | Remark |
|---------------------------|----------|---------------------------|----------|--------|
| Broadcom MegaRAID 9524-8i | Broadcom | Broadcom MegaRAID 9524-8i |          | M.2    |

| Supported UEFI OSs                                               |  |  |  |  |
|------------------------------------------------------------------|--|--|--|--|
| Windows Server 2022 (onboard SATA AHCI mode x64)                 |  |  |  |  |
| Ubuntu Desktop 22.04.1 (onboard SATA AHCI mode x64)              |  |  |  |  |
| Windows 11 Pro for Workstations (BP NVMe AHCI mode x64)          |  |  |  |  |
| Windows 11 Pro for Workstations (onboard SATA AHCI mode x64)     |  |  |  |  |
| Windows 11 Pro for Workstations (onboard SATA-Raid0 mode x64)    |  |  |  |  |
| Windows 11 Pro for Workstations (onboard SATA-Raid1 mode x64)    |  |  |  |  |
| Windows 11 Pro for Workstations (onboard NVMe M.2 AHCI mode x64) |  |  |  |  |
| Redhat9.5 (BP NVMe AHCI mode x64)                                |  |  |  |  |
| Redhat9.5 (BP NVMe-Raid0 mode x64)                               |  |  |  |  |
| Redhat9.5 (BP NVMe-Raid1 mode x64)                               |  |  |  |  |
| Redhat9.5 (BP NVMe-Raid5 mode x64)                               |  |  |  |  |
| Redhat9.5 (BP NVMe-Raid10 mode x64)                              |  |  |  |  |
| Redhat9.5 (BP SATA AHCI mode x64)                                |  |  |  |  |
| Redhat9.5 (BP SATA-Raid0 mode x64)                               |  |  |  |  |
| Redhat9.5 (BP SATA-Raid1 mode x64)                               |  |  |  |  |
| Redhat9.5 (BP SATA-Raid5 mode x64)                               |  |  |  |  |
| Redhat9.5 (BP SATA-Raid10 mode x64)                              |  |  |  |  |
| Redhat9.5 (onboard NVMe M.2 AHCI mode x64)                       |  |  |  |  |
| Redhat9.5 (onboard NVMe M.2-Raid0 mode x64)                      |  |  |  |  |



|                                                      |  |  |  |  |
|------------------------------------------------------|--|--|--|--|
| Redhat9.5 (onboard NVMe M.2-Raid1 mode x64)          |  |  |  |  |
| Ubuntu Desktop 24.04.3 (onboard SATA AHCI mode x64)  |  |  |  |  |
| Ubuntu Desktop 24.04.3 (onboard SATA RAID0 mode x64) |  |  |  |  |
| Ubuntu Desktop 24.04.3 (onboard SATA RAID1 mode x64) |  |  |  |  |
| Ubuntu Desktop 24.04.3 (onboard M.2 AHCI mode x64)   |  |  |  |  |
| Ubuntu Desktop 24.04.3 (onboard M.2 RAID0 mode x64)  |  |  |  |  |
| Ubuntu Desktop 24.04.3 (onboard M.2 RAID0 mode x64)  |  |  |  |  |