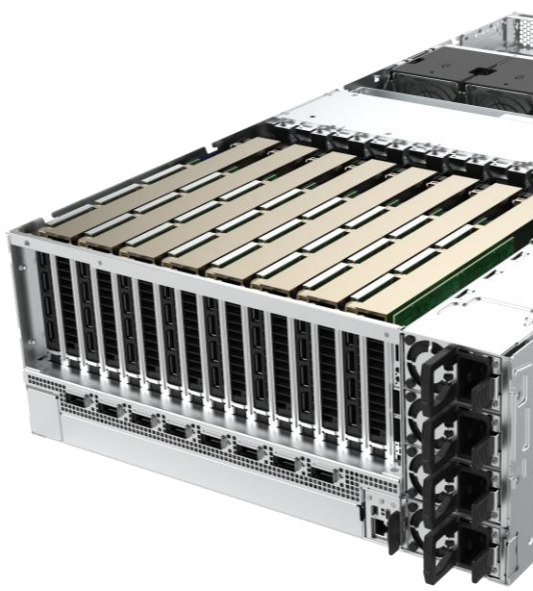| Model | SX420-2A | OX420-2A (ORv3) |
|---|---|---|
| Form Factor | NVIDIA MGX™ 4U GPU Server | NVIDIA MGX™ 4U GPU Server |
| | | |
| Processor | Dual AMD EPYC™ 9005 Series Processors | Dual AMD EPYC™ 9005 Series Processors |
| TDP | Up to 400W | Up to 400W |
| Memory Type | Up to 5200 MT/s (1DPC), 4400 MT/s (2DPC), DDR5 RDIMM | Up to 5200 MT/s (1DPC), 4400 MT/s (2DPC), DDR5 RDIMM |
| DIMM Slot | 32 DIMM Slots, Maximum: 8TB | 32 DIMM Slots, Maximum: 8TB |
| GPU Support | NVIDIA H200 NVL<br>NVIDIA L40S GPU<br>NVIDIA RTX PRO™ 6000 Blackwell Server Edition | NVIDIA H200 NVL<br>NVIDIA L40S GPU<br>NVIDIA RTX PRO™ 6000 Blackwell Server Edition |
| Storage | Option 1: Up to 16 * PCIe Gen5 x4 E1.S<br>Option 2: Up to 16 * PCIe Gen5 x4 E3.S<br>Option 3: Up to 12 * PCIe Gen5 x4 U.2<br><br>**Internal**<br>1 * 2280 M.2 (PCIe Gen3 x4) | Up to 8 * PCIe Gen5 x4 E1.S<br><br>**Internal**<br>1 * 2280 M.2 (PCIe Gen3 x4) |
| PCIe Slot | **Rear**<br>8 * PCIe Gen5 x16 FHFL (Double-width) slots (For GPU)<br>4 * PCIe Gen5 x16 FHHL slots (For CX7)<br>1 * PCIe Gen5 x16 FHHL slot (For DPU)<br>1 * PCIe Gen5 x16 HHHL slot | **Front**<br>8 * PCIe Gen5 x16 FHFL (Double-width) slots (For GPU)<br>4 * PCIe Gen5 x16 FHHL slots (For CX7)<br>1 * PCIe Gen5 x16 FHHL slot (For DPU)<br>1 * PCIe Gen5 x16 HHHL slot |
| Security | TPM 2.0 | TPM 2.0 |
| BMC | ASPEED AST2600 | ASPEED AST2600 |
| Power Supply | 3200W N+1 Redundant, Titanium CRPS PSU | ORv3 48V IT Gear cable |
| IO Ports | **Front**<br>2 * USB3.2 Gen1 port<br>1 * Mini-DP port<br>1 * Power button<br>1 * UID LED / button<br>1 * Reset button<br>1 * Micro USB port (debug port)<br>1 * Status LED<br>**Rear**<br>1 * 1GbE management port<br>1 * Mini-DP port<br>1 * USB3.2 Gen1 port<br>1 * UID LED / button<br>1 * Micro USB port (debug port) | **Front**<br>2 * USB3.2 Gen1 port<br>1 * Mini-DP port<br>1 * Power button<br>1 * UID LED / button<br>1 * Reset button<br>1 * Micro USB port (debug port)<br>1 * Status LED |
| Dimension | 438mm (W) x 800mm (D) x 175mm (H)<br>17.24 in (W) x 31.50 in (D) x 6.89 in (H) | 438mm (W) x 800mm (D) x 175mm (H)<br>17.24 in (W) x 31.50 in (D) x 6.89 in (H) |
| More Info | | |