

# XN24-VC0-LA61

NVIDIA GB200 NVL4 Full-System DLC Server



### Key Features

- Direct liquid-cooled NVIDIA GB200 NVL4 solution with integrated piping for over 85% system heat coverage
- 4 x 800 Gb/s liquid-cooled OSFP InfiniBand XDR or dual 400 Gb/s Ethernet GPU networking port via NVIDIA ConnectX®-8 SuperNIC™
- 4 x 186GB HBM3E GPU memory
- 2 x 480GB LPDDR5X ECC CPU memory
- 1 x 1Gb/s LAN port via Intel® I210-AT
- 8 x DLC 2.5" Gen5 NVMe
- 4 x DLC 2.5" Gen5 NVMe via NVIDIA® BlueField®-3 DPU (optional)
- 1 x M.2 slot with PCIe Gen5 x4 interface
- 1 x DLC FHHL PCIe Gen5 x16 slot for NVIDIA® BlueField®-3 DPUs
- 1 x FHHL PCIe Gen5 x16 slot
- 4 x 3200W 80 PLUS Titanium redundant power supplies

### Applications

AI Platform, AI Training Server, AI Inference Server, High-Performance Computing Server, High Converged Server...

### Specification

|                  |                                                                                                                                                                                                                                                                  |                       |                                                                                                                                                                                                                                                                                                                                 |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dimensions       | 2U (W438 x H87 x D900 mm)                                                                                                                                                                                                                                        | PCIe Expansion Slots  | 1 x liquid-cooled FHHL PCIe Gen5 x16, for DPUs<br>1 x FHHL PCIe Gen5 x16                                                                                                                                                                                                                                                        |
| CPU              | 2 x liquid-cooled NVIDIA GB200 Grace Blackwell Superchips<br>Per superchip:<br>- 1 x NVIDIA Grace™ CPU<br>- 2 x NVIDIA Blackwell GPUs<br>- CPU and GPU connected with NVIDIA NVLink™-C2C<br>- GPU and GPU connected with NVIDIA NVLink™<br>- GPU TDP up to 1200W | I/O Ports             | Rear:<br>1 x USB 3.2 Gen1, 1 x Mini-DP, 1 x RJ45, 1 x MLAN                                                                                                                                                                                                                                                                      |
| OS Compatibility | <a href="#">OS Support List</a>                                                                                                                                                                                                                                  | TPM                   | RoT and Dual ROM<br>TPM: CTM013                                                                                                                                                                                                                                                                                                 |
| Memory           | NVIDIA Grace™ CPU:<br>- 480GB of LPDDR5X memory with ECC<br>- Memory bandwidth up to 512GB/s<br><br>NVIDIA Blackwell GPU:<br>- 186GB HBM3E<br>- Memory bandwidth up to 8TB/s                                                                                     | Power Supply          | 4 x 3200W 80 PLUS Titanium redundant power supplies<br>AC Input: 100-240V<br><br>*The system power supply requires C19 power cord.                                                                                                                                                                                              |
| LAN              | 4 x 800 Gb/s liquid-cooled OSFP InfiniBand XDR or dual 400 Gb/s Ethernet, for GPU networking<br>1 x 1Gb/s LAN (1 x Intel® I210-AT), Support NCSI<br>1 x 10/100/1000 Mbps Management LAN                                                                          | System Fans           | 1 x 40x40x56mm                                                                                                                                                                                                                                                                                                                  |
| Video            | Integrated in ASPEED® AST2600<br>- 1 x Mini-DP                                                                                                                                                                                                                   | Operating Properties  | Operating: 10°C to 35°C, 8% to 80% (non-condensing)<br>Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)<br><br>*To ensure system stability and prevent condensation, when the relative humidity exceeds 50%, the coolant inlet temperature must be higher than the dry-bulb temperature and it should not exceed 45°C. |
| Storage          | Front:<br>8 x liquid-cooled 2.5" Gen5 NVMe<br>Optional front:<br>4 x liquid-cooled 2.5" Gen5 NVMe <sup>[1]</sup><br>Internal M.2:<br>1 x M.2 (2242/2260/2280/22110), PCIe Gen5 x4<br><br><sup>[1]</sup> Requires optional NVIDIA® BlueField®-3 DPU.              | Packaging Content     | 1 x XN24-VC0-LA61<br>1 x Mini-DP to D-Sub cable<br>1 x 3-Section Rail kit                                                                                                                                                                                                                                                       |
|                  |                                                                                                                                                                                                                                                                  | Ordering Part Numbers | 6NXN24VC0R000LA61*                                                                                                                                                                                                                                                                                                              |
|                  |                                                                                                                                                                                                                                                                  | Optional Parts        | - Cable Management Arm: 25HB2-2AA700-K0R                                                                                                                                                                                                                                                                                        |



Learn more at: <https://www.gigabyte.com/Enterprise>  
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