HELIXX

4U8G | XEON 6700

The HELIXX 4U8G | XEON is the ultimate high-density 4U server for the edge. Powered by Dual Intel® Xeon® 6700 Series processors and supporting up to four graphics cards and 4 TB of memory, this platform is purpose-built for deploying complex NVIDIA Omniverse™ simulations and high-performance LLM inference. Its compact design delivers the necessary GPU, CPU, and memory resources for seamless real-time rendering and AI model deployment.

| Artificial Intelligence | Virtual Workstation | Digital Twins | HPC and Data Analytics |

Key Features

Features Dual Intel® Xeon® 6 6700P Processors

Up to 8 NVIDIA® RTX PRO™ 6000 Blackwell Server Edition at 600 Watt Each

Well Equipped For:

- Agentic AI
- Industrial & Physical AI
- Scientific Computing
- Data Analytics
- Simulation
- Visual Computing
- Enterprise Applications

Service & Support

Three-year standard warranty.

Chipset: SoC

Socket: Dual (4710-E2)

CPU Cooling: Air-Cooled

Processor: Dual Intel Xeon 6700P

Cores Frequency (GHz): 2.9 Base clock / 4.0 Boost clock

Cores/Threads: 128/256

Multi-Threading: Yes

Max Configurable Memory: 4TB

DIMM Slots: 32

Physical PCIe Slots:

8 PCIe 5.0 x16 for NVIDIA® RTX PRO™ Blackwell Server Edition

5 PCIe 5.0 x16 for Network Add in Cards

PCIe Lanes per GPU:

Up to 8 GPUs PCIe 5.0 x16

M.2 Drives: 2 up to 2TB each

Power Supply: 3200-Watt 3+1 (80 Plus Titanium) (208-240V)

GPU Power Budget (W): 4800

Chassis Dimensions:

17.2" (43.85cm) W

6.88" (17.50cm) H

31.4" (80.0cm) D

Front I/O:

(20) Hot-Swap E1.S Drive Bays

Rear I/O:

(1) 1000Base-T Dedicated Server Management port

(1) 10GBase-T Ethernet ports

(1) USB 3.0/2.0 Type-A port

(1) Mini Display port

(1) Power LED button

(1) UID LED button

Rackmount Option: Yes

Notes:

Highest available CPU core count and associated clock speeds shown. Other processors with different core counts and frequencies may be available.

GPU power budgets are conservative estimates.

Shipping weights vary by configuration.

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