

HELIXX

2U4G | XEON 6700



The HELIXX 2U4G | XEON is the ultimate high-density 2U server for the edge. Powered by Intel Xeon 6700 Series processors and supporting up to four graphics cards and 2 TB of memory, this platform is purpose-built for deploying complex NVIDIA Omniverse™ simulations and high-performance Edge Compute 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 Intel® Xeon® 6 6700P Processor Up to 4 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: Single (4710-E2)

CPU Cooling: Air-Cooled

Processor: Intel Xeon 6700P

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

Cores/Threads: 64/128

Multi-Threading: Yes

Max Configurable Memory: 2TB

DIMM Slots: 16

Physical PCIe Slots:

4 PCIe 5.0 x16 for NVIDIA® RTX PRO™ 6000

Blackwell Server Edition

3 PCIe 5.0 x16 for Network Add in Cards

PCIe Lanes per GPU:

Up to 4 GPUs PCIe 5.0 x16

M.2 Drives: 2 (Up to 4TB each)

Power Supply: 2400-Watt 2+2 (80 Plus Titanium)

(208-240V)

GPU Power Budget (W): 2400

Chassis Dimensions:

17.2" (43.85cm) W

3.46" (8.80cm) H

35.43" (90.0cm) D

Front I/O:

12 PCIe I/O Windows

Rear I/O:

(1) 1000Base-T Dedicated Server Management port

(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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BOXX

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