

HELIXX

4U8G | EPYC CX8



The HELIXX 4U8G | EPYC CX8 is a high-density 4U server for hyperscale AI workloads and cloud data centers. Powered by Dual AMD EPYC 9005 Series processors and supporting up to eight graphics cards and 3 TB of memory, this platform is purpose-built for integrated PCIe Gen6 connectivity for AI factories and trillion-parameter GPU computing. The CX8 contains the NVIDIA MGX PCIe Switch Board with ConnectX-8. This board replaces the traditional PCIe switch board used in 8x GPU servers with bundled NVIDIA networking enabling a built-in 48-lane PCIe switch capable of 400Gbps networking.



Artificial Intelligence



Virtual Workstation



Digital Twins



HPC and Data Analytics



Key Features

Features Dual AMD EPYC 9005 Series 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 (SP5)

CPU Cooling: Air-Cooled

Processor: Dual AMD EPYC 9005

Cores Frequency (GHz): 2.25 Base clock / 3.7 Boost clock

Cores/Threads: 384/768

Multi-Threading: Yes

Max Configurable Memory: 3TB

DIMM Slots: 24

Physical PCIe Slots:

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

1 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 4TB 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:

(8) Hot-Swap 2.5 NVMe U.2 Drive Bays

Rear I/O:

(1) 1000Base-T Dedicated Server Management port

(8) 400G QSFP112 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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BOXX.com | 877-877-2699
Outside US: 512-835-0400

