



A90X6 | Technical Datasheet

10U AI Server Powered by Intel® Granite Rapids & NVIDIA B200

Overview

The Creox **A90X6** is a 10U AI server built on the Intel® Birch Stream platform, powered by 6th Gen Intel® Xeon® Scalable Processors (Granite Rapids) and supporting NVIDIA HGX B200 acceleration. It is designed to fully support AI workloads across cloud datacenters and enterprise IT environments.

Application

AI Cloud Computing, LLM Training, Inference, HPC

Product Features

Excellent Performance

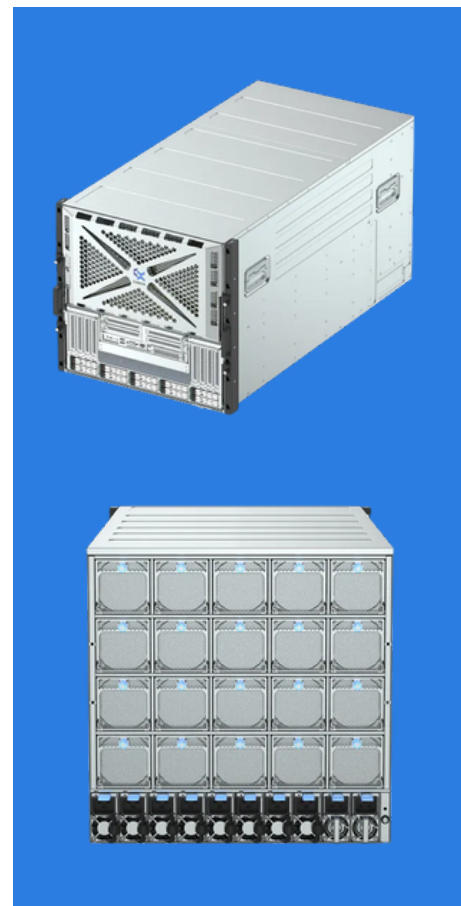
- Powered by 6th Gen Intel® Xeon® Scalable Processors (up to 350W TDP)
- 32 DIMM slots, supporting RDIMM up to 6400MT/s
- Optimized for NVIDIA HGX B200 with air cooling

Flexible Configuration

- CPU-to-switch bandwidth options: x16 or x32
- Supports both full-height and half-height NIC cards

For New Datacenter

- Front I/O access for simplified deployment and maintenance
- N+N redundant power supply for maximum uptime
- High-efficiency thermal architecture for reduced energy use
- Optimized DC/DC power solution for datacenter efficiency



A90X6 AI Server Technical Specifications

| | |
|-----------------------------|--|
| CPU | 2* Intel® Xeon 6700E/6500P/6700P Processor up to 350W |
| GPU | 8* HGX B200 air cooling |
| Memory | Up to 32* DDR5 DIMM Slot, support RDIMM up to 6400MT/s |
| Storage | 8* SFF NVMe slot (from switch) 2* SFF SATA/NVMe slot (from CPU, SATA need Add-in RAID card) |
| PCIe Extension | Front PCIe Slot: 8* X16 FHHL/HHHL (from switch) Front PCIe Slot: 2* X16 FHHL or 4* X8 FHHL (from CPU) |
| Enclosure Management | BMC: AST2600, 1* dedicated RJ45 MGMT port |
| IO | 2* USB3.0 Type-A Receptacle 1* PWR BTN with 1* PWR Indicator 1* Status LED 1* VGA 1* UART Port Over Type C 1* UID button& LED 1* GbE MGMT Port |
| Cooling | 20* 8086 FANs, N+1 Redundant |
| Operating Temp. | 10°C - 35°C |
| PSU | 2* 185mm Redundant 2700W HVDC/AC Input, 12V Output PSUs 8* 185mm Redundant 3200W HVDC/AC Input, 54V Output PSUs |
| Dimension | 440mm (H) x 448mm (W) x 900mm (D) |

Partner with Creox to Scale Smarter

For more information or to book a demo session,
contact sales@creotech.com

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