



# A96X6 | Technical Datasheet

10U AI Server Powered by Intel® Granite Rapids & NVIDIA B300

## Overview

The **A96X6** is a 10U AI server designed for the B300 platform, built on Intel's latest Birch Stream architecture. Powered by 6th Generation Intel® Xeon® Scalable Processors (Granite Rapids), it delivers exceptional performance, scalability, and reliability. Engineered for high-density compute environments, the A96X6 seamlessly integrates across cloud datacenters and enterprise AI infrastructures, providing a robust foundation to accelerate modern AI workloads.

## Application

AI Cloud Computing, LLM Training, Inference, HPC

## Product Features

### Excellent Performance

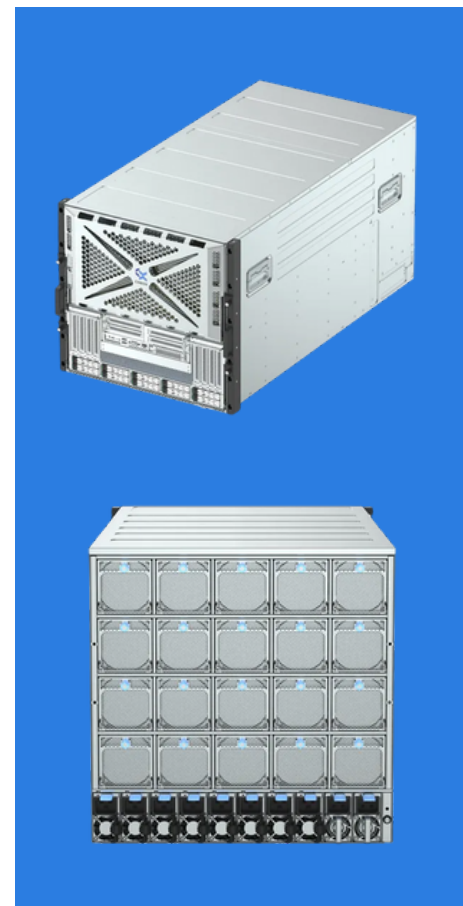
- Intel® Xeon® 6th Gen Scalable Processors (up to 350 W TDP)
- 32 DIMM slots, RDIMM support up to 6400 MT/s
- NVIDIA HGX B300 air-cooled support

### Flexible Configuration

- 8 × 800 G OSFP integration with HGX B300
- Compatible with full- and half-height NIC cards

### For New Datacenter

- Front I/O access for easy maintenance
- N+N redundant PSU for reliability
- High-efficiency thermal and DC/DC power solutions



## A96X6 AI Server Technical Specifications

<b>CPU</b>	2* Intel® Xeon 6700E/6500P/6700P Processor up to 350W
<b>GPU</b>	8* HGX B300 SXM air cooling
<b>Memory</b>	Up to 32* DDR5 DIMM Slot, support RDIMM up to 6400MT/s
<b>Storage</b>	10pcs U.2 NVMe
<b>PCIe Extension</b>	4 FHHL/HHHL (X16) +1FHHL/HHHL (X16, reserved)
<b>Enclosure Management</b>	BMC: AST2600, 1* dedicated RJ45 MGMT port
<b>IO</b>	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
<b>Cooling</b>	20* 8086 FANs, N+1 Redundant
<b>Operating Temp.</b>	10°C - 35°C
<b>PSU</b>	2* 185mm Redundant 2700W HVDC/AC Input, 12V Output PSUs 8* 185mm Redundant 3200W HVDC/AC Input, 54V Output PSUs
<b>Dimension</b>	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@creoxtch.com](mailto:sales@creoxtch.com)

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