



A90X6-Q | Technical Datasheet

8U AI Server Powered by Intel® Granite Rapids & NVIDIA B200

Overview

The **A96X6-Q** is an 8U AI server for the B300 platform, featuring liquid-cooling architecture optimized for extreme AI and HPC workloads. Powered by 6th Generation Intel® Xeon® Scalable Processors (Granite Rapids) on the Birch Stream platform, it ensures high compute density with superior thermal efficiency.

Built for cloud datacenters and enterprise AI environments, the A96X6-Q offers unmatched reliability, energy efficiency, and scalability for next-generation AI operations.

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 liquid-cooled support

Flexible Configuration

- 8 × 800G OSFP integrated in HGX B300
- Supports full-height and half-height NIC cards

Datacenter-Optimised

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

A90X6-Q AI Server Technical Specifications

CPU	2* Intel® Xeon 6700E/6500P/6700P Processor up to 350W
GPU	8* HGX B200 liquid 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)
	Option: Internal: 2* 2280 M.2 slot(Add-in riser card)
PCIe Extension	Front PCIe Slot: 8* X16 FHHL/HHHL (from switch)
	Front PCIe Slot: 2* X16 FHHL (from CPU)
Enclosure Management	BMC: AST2600, 1* dedicated RJ45 MGMT port
IO	Front 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	13* 8086 FANs, N+1 Redundant
Operating Temp.	5°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	352mm (H) x 448mm (W) x 900mm (D)

Partner with Creox to Scale Smarter

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

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