DATASHEET

KR6288V3

6U Extreme AI Server with NVIDIA HGX™ H200 8-GPU

KR6288V3 supports 2 AMD EPYC™ 9005 processors and NVIDIA HGX H200 8-GPU to deliver industry-leading 32 PFlops of AI performance. Its optimized power efficiency and modular design with flexible configuration makes it ideal for AI model training and inference, AI start-ups, AI cloud services, and converged scenarios that take advantage of the AMD platform's advanced core count and high memory bandwidth.

- NVIDIA HGX™ H200 8-GPUs in a 6U chassis
- 2x AMD EPYC™ 9005 processors
- Delivers 32 PFlops industry-leading AI performance

Empowering Various AI Scenarios

- Transformer Engine delivers supercharged training speed for GPT large language models
- Fully modular design and flexible configurations satisfy both on-premises and cloud deployment

Leading Architecture Design

- Lightning-fast CPU-to-GPU interconnect bandwidth
- Scalable inter-node networking with up to 4.0 Tbps non-blocking bandwidth
- Optimized cluster-level architecture with 8:8:2 ratio of GPU to compute network to storage network

Optimized Energy Efficiency

- High efficiency air-cooling heat dissipation
- 54V, 12V separated power supply with N+N redundancy reduces power conversion loss

Technical Specifications

Model	**KR6288-E3-A0-R0-00**
Form Factor	6U rack server
Processor	2x AMD EPYC™ 9005 processors, 400W TDP
Memory	24x 4800 MT/s or 6400MT/s DDR5 DIMM, RDIMM
GPU	NVIDIA HGX™ H200 8-GPUs, 700W TDP
Storage	24x 2.5" SSD: 8x NVMe U.2 + 16x SATA U.2 2x NVMe/SATA M.2
PCIe	8x HHHL x16 + 2x FHHL x16 PCIe 5.0 slots One PCIe 5.0 X16 slot can be replaced with two PCIe 5.0 x8 slots Optional support for Bluefield-3, CX7, and various SmartNICs
Network Interface	1x OCP 3.0, supports NCSI
Cooling	Air cooling
Fans	GPU region: 6x 54V hot-swap fans with N+1 redundancy CPU region: 6x 12V hot-swap fans with N+1 redundancy
Management & Security	DC-SCM module with ASPEED AST2600, TPM 2.0
Power Supply	2x 12V 3200W and 6x 54V 2700W Platinum/Titanium PSU with N+N redundancy
Dimensions	482mm (W) x 263mm (H) x 855mm (D)