



KR6288

6U Extreme AI Server with HGX H200 8-GPU



KR6288 is an advanced AI system supporting NVIDIA HGX H200 8-GPUs to deliver industry-leading 32 PFlops of AI performance. Its optimized power efficiency, modular design, and flexible configuration makes it ideal for demanding AI tasks in hyperscale data centers, AI model training, and metaverse workloads.

- NVIDIA HGX H200 8-GPUs in a 6U chassis
- 2x AMD EPYC™ 9004 processors or 2x 4th Gen Intel® Xeon® Scalable processors
- Delivers 32 PFlops industry-leading AI performance
- Direct liquid cooling design available with over 80% cold plate coverage

Empowering Various AI Scenarios

- H200 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
- Direct liquid cooling design with over 80% cold plate coverage keeps PUE ≤1.15

Technical Specifications

Model	KR6288-E2-A0-R0-00	KR6288-X2-A0-R0-00
Form Factor	6U rack server	
GPU	NVIDIA HGX H200 8-GPUs, TDP up to 700W	
Processor	2x AMD EPYC™ 9004 processors, TDP 400W	2x 4th Gen Intel® Xeon® Scalable Processors
Memory	24x DDR5 DIMMs, up to 4800MT/s Supports RDIMM, 3DS RDIMM	32x DDR5 DIMMs, up to 4800MT/s Max memory up to 2TB (x8 256 GB LRDIMM)
Storage	8x NVMe U.2 16x NVMe/SATA U.2 8x NVMe U.2 + 16x SATA U.2 (RAID)	8x NVMe U.2 16x NVMe/SATA U.2 16x E3.S 8x NVMe U.2 + 16x SATA U.2 (RAID)
PCIe	10x PCIe 5.0 x16 slots Optional support for Bluefield-3, CX7, and various SmartNICs	
OCP	Supports 1x OCP 3.0 (optional), supports NCSI	
Management	DC-SCM BMC management module with Aspeed 2600	
PSU	12V : 2700W/3200W CRPS 185, 1+1 redundant 54V : 3200W CRPS 185, 3+3 redundant	
Dimensions	447mm (W) x 263mm (H) x 860mm (D)	