



KR6288V2

6U Extreme AI Server with HGX H100 8-GPU



KR6288V2 is an advanced AI system supporting NVIDIA HGX H100/A100 8-GPUs to deliver industry-leading 16PFlops 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 H100/A100 8-GPUs in a 6U chassis
- 2x AMD EPYC™ 9004 processors or 2x 4th Gen Intel® Xeon® Scalable processors
- Delivers 16 PFlops industry-leading AI performance
- Direct liquid cooling design available with over 80% cold plate coverage

Empowering Various AI Scenarios

- H100 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 H100/A100 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	32x DDR5 DIMMs, up to 4800MT/s
Storage	24x 2.5" SSD, up to 16x NVMe U.2 2x Onboard NVMe/SATA M.2	
I/O	Front: 1x USB 3.0, 1x USB 2.0, 1x VGA Rear: 2x USB3.0, 1x RJ45, 1x MicroUSB, 1x VGA	
OCP	Supports 1x OCP 3.0 (optional), supports NCSI	
Management	DC-SCM BMC management module with Aspeed 2600	
Security	TPM 2.0 (Trusted Platform Module)	
PSU	2x 12V 3200W and 6x 54V 2700W, Platinum/Titanium PSU with N+N redundancy	
Dimensions	447mm (W) x 263mm (H) x 860mm (D)	