



KR5288

5U Liquid-Cooled NVIDIA Blackwell Ultra AI Server with HGX™ B300 8-GPU



KR5288 is built on the NVIDIA Blackwell Ultra platform, supporting NVIDIA HGX™ B300 8-GPU with NVLink and NVSwitch interconnect. With flexible dual-CPU options, this server delivers optimal performance across diverse AI deployments. Direct-to-chip liquid-cooling on CPU, GPU and NVSwitch enables a high efficiency, high density AI infrastructure in a space-saving 5U form factor.

- Supports NVIDIA HGX™ B300 8-GPU and NVLink interconnect
- 2x Intel® Xeon® 6 or AMD EPYC™ 9005 processors
- High density AI performance, scalable infrastructure
- Modular design for easy deployment and maintenance
- Direct-to-chip liquid cooling on CPU, GPU, and NVSwitch

Enhanced Cooling

- Over 80% server liquid cooling coverage with direct-to-chip cold-plate cooling for CPU, GPU, and NVSwitch
- 5 fans for additional air cooling

Reliable Operation

- Dual-input power boosts capacity and allows flexible PSU adjustment by GPU count, ensures uninterrupted power and provides flexibility for cost-effective energy management

Ease of Use & Maintenance

- Modular, independent front-pull design for GPU and motherboard compute nodes
- External fan maintenance ensures seamless operation

Technical Specifications

Model	KR5288-X3-C0-F0-01	KR5288-E3-C0-F0-01
Form Factor	5U rack server	
Processor	2x Intel® Xeon® 6700P, TDP up to 350W	2x AMD EPYC™ 9005, TDP up to 500W
GPU	NVIDIA Blackwell Ultra 8-GPU, TDP up to 1200W with HGX B300 (288GB)	
Memory	32x DDR5-6400 RDIMMs, up to 4TB DDR5 ECC	24x DDR5-6400 RDIMMs, up to 3TB DDR5 ECC
Storage	8x NVMe U.2 + 2x SATA/NVMe M.2 4x SAS/SATA 2.5" drives with RAID (Optional)	
PCIe	8x CX8 ports + 4x PCIe 5.0 x16 FHFL	
Network Interface	1x OCP 3.0 (optional)	
Ports	Rear: VGA, USB 3.0 x3, USB-C x1, RJ45 x1, MicroUSB x1	
Cooling	Liquid cooling: GPU, NVSwitch, and CPU direct-to-chip cold plate Air cooling: 5x 80x86mm hot-swap fans	
Management & Security	ASPEED AST2600 BMC, Dual ROM (BMC + BIOS) Redundancy TPM 2.0 (Trusted Platform Module)	
Power Supply	5x 3300W 54V Dual AC, N+1 or N+N Redundant 2x 3200W 12V, N+1 Redundant	
Dimensions	447mm (W) x 220mm (H) x 995mm (D)	