KR2180

Flexible, High-Scalability 2U 1-Socket Server

KR2180 is a 2U server with one AMD EPYC™ 9005 processor and flexible configurations. It features more cores, a high base frequency, large cache, and high scalability, maximizing performance per CPU for ultimate storage and expansion within a 2U form factor. Ideal for cloud computing/virtualization, big data, distributed storage, and video transcoding applications, this series effectively enhances TCO benefits.

- 1x AMD EPYC™ 9005 supporting up to 192 cores and TDP 500W with air-cooling
- Scalable, flexible storage configurations
- High scalability, maximizing performance per CPU for ultimate storage and expansion

Technical Specifications

Model	KR2180-E3
Form Factor	2U rack server
Processor	1x AMD EPYC™ 9005 processor, TDP up to 500W
Memory	Up to 24x 5200 MT/s DDR5 DIMM (12ch), RDIMM, 3DS RDIMM, MRDIMM
Storage	12x 3.5" SAS/SATA 24x 2.5" SAS/SATA/NVMe/E3.S 25x 2.5" SAS/SATA/NVMe (21x SAS/SATA + 4x NVMe) **Internal:** 2x SATA/PCIe M.2 SSD Up to 2x SATA 3.0 M.2 or 2x PCIe 4.0 X4 M.2 (direct attached from CPU) **Rear:** 4x 3.5" SAS/SATA 4x 2.5" SAS/SATA/NVMe
PCIe	Up to 10x stardard PCIe expansion slots including 2x OCP slots 6x X16 FHHL + 2x X8 HHHL 4x X16 FHHL + 4x X8 HHHL
Network Interface	2x OCP 3.0 Gen5 (supports x8 or x16)
Ports	**Front:** 1x VGA, 1x USB 3.0, 1x USB 2.0/LCD, Healthy LED, UID **Rear:** supports DC-SCM, 1x VGA, 1x RJ45 for Mgmt, 2x USB 3.0, 1x UART, UID
Cooling Options	Air cooling
Fans	(6) 6056 Dual-Rotor Fans (N+1) Redundant
Management & Security	ASPEED AST2600; intelligent chassis intrusion detection; BMC/BIOS firmware security; dual-chip dual-standby; digital signature; Trusted Module TPM 2.0 / TCM
PSU	2x 550W/800W/1300W/1600W/2000W/2700W redundant Titanium/Platinum
Dimensions	435mm (W) x 87mm (H) x 800mm (D)