AiVRES

KR2280V2

ARM Server for Native Cloud Workloads

KR2280V2 with AmpereOne™ delivers industry-leading core density and cost-efficient performance for native cloud workloads. The server provides flexible PCIe expansion to support a wide variety of workloads, with a balanced power layout to reduce CPU loads, optimize NFV, and maximize energy efficiency.

- 2x AmpereOne™ Processors deliver peak industry core density and performance with up to 128 cores and PCIe 5.0
- Customizable PCIe configurations, including 4x dual-width T4 GPUs, to support different workloads
- Energy-efficient balanced power layout to reduce CPU loads, import smart NIC and optimize NFV

AMPERE

Technical Specifications

Model	KR2280-R2-A0-R0-00
Form Factor	2U rack server
Processor	2x AmpereOne™ processors, up to 80/128 cores per CPU, 128 lanes for 1 CPU / 196 lanes for 2 CPUs, TDP up to 400W
Memory	32x DDR5 DIMM, 4800MT/s
Storage	**Front:** 12x 3.5" hot-swappable SAS/SATA, NVMe 24x 2.5" SATA/NVMe 24x E3.S **Internal:** 2x SATA/PCIe x4 M.2 **Rear:** 4x 2.5" hot-swappable SAS/SATA/NVMe 2x M.2/E1.S 4x dual-width GPU
Expansion Slots	Up to 8x standard PCIe 5.0 x16
OCP	Up to 2x OCP 3.0
Security	1x TPM 2.0 or TCM
Power Supply	(1+1) 500W
System Cooling	6x 6056 dual rotor fans
Dimensions	435mm (W) x 87mm (H) x 850mm (D)