KR1280

Flagship High-Density 2-Socket Compute Server

KR1280 is a 1U 2-socket high-density computing server with 2 Intel® Xeon® 6 or AMD EPYC™ 9005 processors, featuring the highest TDP in a 1U space. It utilizes multi-dimensional cooling solutions such as EVAC and cold-plated liquid cooling to support high performance density while meeting the low PUE requirements of modern data centers.

- 2x Intel® Xeon® 6 or AMD EPYC™ 9005 processors
- Supports 2.5", 3.5" SAS/SATA/NVMe configurations
- Delivers high-density performance and scalability in 1U
- Supports multi-dimensional cooling solutions like EVAC, cold-plate liquid cooling

Technical Specifications

Model	KR1280-X3	KR1280-E3
Form Factor	1U rack server	
Processor	2x Intel ® Xeon® 6 processors 6500/6700 series, up to 350W TDP	2 AMD EPYC™ 9005 processors, TDP up to 500 W
Memory	32x DDR5-6400 MT/s RDIMMs / MCR DIMMs	24x DDR5-6400 MT/s RDIMMs / MCRDIMMs
Storage	10x 2.5" SAS/SATA/NVMe 2x SATA/NVMe M.2	12x 2.5" SAS/SATA/NVMe 2x SATA/NVMe M.2"
PCIe	1x PCIe 5.0 x16 FHFL slots + 2x PCIe 5.0 x16 HHHL slots	
Network Interface	2x OCP 3.0 x16	
Ports	**Front:** 1x VGA, 1x USB 2.0, 1x USB 3.0, 1x USB Type C **Rear:** 1x VGA, 1x RJ45 for Mgmt, 2x USB 3.0	
Cooling Options	Air cooling, liquid cooling	
Fans	(8) 4056 hot swap fans (N+1 Redundant)	
Management & Security	ASPEED AST2600, 1x TPM 2.0	
Power Supply	2x 800W/1300W/1600W/2000W/2700W/3200W redundant Titanium/Platinum	
Dimensions	438mm (W) x 43.05mm (H) x 780mm (D) with Normal heatsink 438mm (W) x 43.05mm (H) x 850mm (D) with T-shaped heatsink	