



KR1280V2

High-Density 2-Socket Server with Multiple Configurations



KR1280V2 with 4th Generation Intel® Xeon® Scalable is a 1U 2-socket general purpose rackmount server delivering high-density performance and scalability to support compute-intensive applications like high-performance computing and virtualization.

- 2x 4th Gen Intel® Xeon® Scalable
- Supports up to 12x 2.5" SAS/SATA/NVMe or 32x PCIe 5.0 E1.S configurations
- Delivers high-density performance and scalability in 1U
- Supports compute-intensive applications like high-performance computing, virtualization
- Supports 3 cooling schemes: air cooling, cold plate liquid cooling, and immersion liquid cooling



Technical Specifications

Model	KR1280-X2	
Configuration	General KR1280-X2-A0-R0-00	Front I/O KR1280-X2-A0-F0-0
Form Factor	1U rack server	
Processor	2x 4th generation Intel® Xeon® Scalable processors, max TDP 350W, 4UPI Up to 80x PCIe Gen5 Lanes PCH: Intel® C741 Chipset	
Memory	32x DDR5 DIMM (8ch), supports RDIMM	
Storage	Front SKU 1: 4x 3.5" SAS/SATA/NVMe + 4x 2.5" SAS/SATA/NVMe or 4x 3.5" SAS/SATA/NVMe + 2x E1.S + 2x SATA M.2 Front SKU 2: 10x 2.5" SAS/SATA/NVMe or 12x 2.5" SAS/SATA/NVMe or 8x 2.5" SAS/SATA/NVMe + 2x E1.S + 2x SATA M.2 Front SKU 3: 32x PCIe 5.0 E1.S (9.5mm/15mm) Internal: 2x SATA 3.0 / 2x PCIe x4 M.2, compatible with 2280, 22110 Rear: (Opt.) 2x 2.5" SAS/SATA	Front I/O SKU: 12x E1.S SSD + 2x SATA M.2 + 2x FHHL PCIe + 1x OCP 3.0 or 4x E3.S SSD / 4x 2.5" SAS/SATA/NVMe + 2x FHHL PCIe + 1x OCP 3.0
Expansion Slots	Internal: (Opt.) 1 x8 RAID mezzanine or 2x PCIe x4 M.2 (Opt.) 2x hot-plug OCP 3.0 G5 Ethernet card (2 x8 or 1 x16 + 1 x8), supports NCSI Rear: 2 x16 FHHL PCIe slot or 1 x16 FHHL PCIe slot + 2 x16 HHHH PCIe slot	Internal: 1 x8 RAID mezzanine Front and Rear: 3x hot-plug OCP 3.0 G5 Ethernet card (front 1x + rear 2x) 4x PCIe standard card (front 2x + rear 2x)
Security	1x TPM SPI 2.0, PFR	

Technical Specifications Continued

Cooling	Fans: 8x 4056 hot-pluggable dual-rotor fan, N+1 rotor redundancy (none for immersive cooling models) Liquid cooling: cold-plate (KR1280-X2-C0-R0-00) Liquid cooling: immersion (KR1280-X2-M0-U0-00)
PSU	(1+1) 550W/800W/1300W/1600W/2000W, energy efficiency level to support 80 plus platinum, titanium gold
Management	AST2600 via DC-SCM adapter
Dimensions	438mm (W) x 43.05mm (H) x 800mm / 850mm (D)
