



KR4276V2

4U 2-Socket High-Density Storage Server



KR4276V2 is a 4U storage rack server with dual 4th/5th generation Intel® Xeon® Scalable processors and supports 60x 3.5-inch drives to deliver up to 1.4 PB high density storage capacity, making it an ideal choice for cloud storage, video storage, big data, archiving and other scenarios.

- Up to 2x 4th/5th generation Intel® Xeon® Scalable processors
- Up to 60x 3.5" hot-swappable SAS/SATA drives
- High-density storage capacity up to 1.4 PB
- Flexible front and rear I/O configurations

Energy Efficiency

- Energy management features lower power consumption by 70%

Reliability & Longevity

- Flexible front/rear I/O capabilities support existing and future service expansion
- Cold and hot aisle design lowers component failure by 90%, prolongs service life by over 300%

Technical Specifications

Model	KR4276-X2-A0-R0-00 (Rear I/O)	KR4276-X2-A0-F0-00 (Front I/O)
Form Factor	4U rack server	
Processor	1x or 2x 4th/5th generation Intel® Xeon® Scalable processors, TDP up to 385W Up to 64 cores, with a max Turbo frequency of 4.2GHz 4 UPI links per CPU at up to 20GT/s per link	
Memory	32x DIMM slots that support up to DDR5 DIMMs (4,800/5,600 MT/s)	
Storage	Up to 60x 3.5-inch hot-swappable SAS/SATA drives 10x 2.5-inch hot-swappable SAS/SATA drives, with up to 8x NVMe drives (optional) 2x M.2 SSDs	Up to 60x 3.5-inch hot-swappable SAS/SATA drives Up to 4x 2.5-inch SAS/SATA/NVMe SSDs 2x M.2 SSDs
PCIe	Up to 7x PCIe 5.0 slots, including 2 OCP 3.0 slots	Up to 5x PCIe 5.0 slots, including 1 OCP 3.0 slot
Storage Controller	RAID/SAS controller Onboard PCH that supports 14 SATA connectors Intel onboard NVMe controller and optional Intel NVMe RAID key	
Network	Supports multiple types of network expansion, and 2 hot-swappable OCP 3.0 cards Supports the expansion of PCIe 5.0 expansion cards and smart NICs	
Ports	Front: 1x USB 2.0 port, 1x USB 3.0 port, 1x DB15 VGA port, 1x USB type-C port Rear: 2x USB 3.0 ports, 1x DB15 VGA port, 1x COM port (Micro USB), 1x RJ45 management network port Internal: 1x USB 3.0 port	
Cooling Options	Air cooling: hot-swappable fans with N+1 redundancy	
Management & Security	Integrated with 1 independent 1,000Mbps network port, dedicated to IPMI remote management Two-factor authentication, TPM 2.0, intrusion alert, BMC/BIOS redundancy, power capping, etc.	
Power Supply	Supports 1,300W/1,600W/2,000W CRPS power supplies with 1+1/2+2 redundancy	
Operating System	Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, CentOS, etc.	
Dimensions & Weight	447mm (W) x 174.5mm (H) x 850mm (D), 89kg with all drives installed	
Operating Temperature	5°C to 40°C	