

KR1180-X3

High-Density 1U 1-Socket Computing Server



KR1180-X3 1U server has one latest Intel® Xeon® processor and delivers high performance compute with flexible storage configurations. It delivers a high performance-to-power ratio, presenting a cost-effective option for customers addressing TCO challenges. This system was designed for the demands of Internet, cloud computing, and enterprise markets, and is suited for distributed storage, big data, and virtualization workloads.

- 1x Intel® Xeon® 6 processor supporting E-Core/P-Core dual platform for energy efficiency vs performance density
- Flexible storage configurations with up to 12x 2.5" or 4x 3.5" drives with 4x E3.S

Technical Specifications

Model	KR1180-X3
Form Factor	1U rack server
Processor	1x Intel ® Xeon® 6 processors 6500/6700 series, up to 350W TDP
Memory	16x DDR5-6400 MT/s RDIMMs / MCR DIMMs
Storage	4x 3.5" SAS/SATA/NVMe + 4x E3.S SSD 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	1x OCP 3.0 x16
Ports	Front: 1x VGA, 1x USB3.0, 1x USB Type C, UID, Rear: 1x VGA, 1x RJ45 for Mgmt, 2x USB 3.0, 1x UART, UID
Cooling Options	Air 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 redundant Titanium/Platinum
Dimensions	438mm (W) x 43.05mm (H) x 780mm (D)

KR1180-E3

Flexible 1U with E1.S All-Flash Configuration



KR1180-E3 1U server features one latest AMD EPYC™ processor delivering high performance compute and storage. Flexible storage configurations include an all-flash configuration delivering high IOPS and a 16 E1.S configuration providing massive storage in 1U. KR1180-E3 provides an optimal performance-to-power ratio ideal for all-flash distributed storage, bare metal cloud services, video transcoding, and data processing.

- 1x AMD EPYC™ 9005 processor up to 192 cores
- 4 flexible storage configurations including all-flash config up to 10 hot-swap NVMe SSDs for high IOPS, 16 E1.S config for massive storage
- Up to 5 standard PCIe slots supporting 3 PCIe x16 and 2 OCP 3.0 Gen5 NIC

Technical Specifications

Model	KR1180-E3
Form Factor	1U rack server
Processor	1x AMD EPYC™ 9005 processor, up to 192 cores, TDP up to 500W
Memory	Up to 24x 5200 MT/s DDR5 DIMM (12ch), RDIMM, 3DS RDIMM, MRDIMM
Storage	10x 2.5" SAS/SATA/NVMe 4x 3.5" SAS/SATA + 4x 2.5" SAS/SATA/NVMe 16x 9.5mm/15mm E1.S 8x 2.5" SAS/SATA/NVMe + 2x HHHL PCIe 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)
PCIe	Up to 5x standard PCIe expansion slots including 2x OCP slots 3x PCIe X16 Gen5 (1x FHHL + 2x HHHL) 2x PCIe X16 Gen5 (2x FHHL)
Network Interface	2x OCP 3.0 Gen5 (supports x8 or x16)
Ports	Front: 1x VGA, 1x USB3.0, 1x USB2.0, Healthy LEDs, UID, Rear: 1x VGA, 1x RJ45 for Mgmt, 2x USB3.0, 1x UART, UID
Cooling Options	Air cooling
Fans	(8) 4056 Dual Rotor Fans (7+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
Power Supply	2x 550W/800W/1300W/1600W/2000W redundant Titanium/Platinum
Dimensions	438mm (W) x 43.05mm (H) x 800mm (D) with normal heatsink 438mm (W) x 43.05mm (H) x 850mm (D) with T-shaped heatsink