

KAYTUS

KR2180V2 Series

Powered by AMD Processors
Cost-Effective Expanded 2U 1-Socket
Rack Server



Overview

The KAYTUS KR2180V2 is an enterprise 2U 1-socket rack server powered by the AMD EPYC™ 9004 series processor. It boasts multiple cores, high base frequency, large caches, and high scalability, allowing for maximum performance from a single processor. With maximized storage and expansion in a 2U space, it is particularly well-suited to provide services in scenarios such as big data, distributed storage, video transcoding, and virtualization.

Applicable Model

Model	Maintenance Method	Cooling Mode
KR2180-E2-A0-R0-00	Rear I/O	Air cooling

Product Features

■ Excellent performance

- > 1 AMD EPYC™ 9004 series processor, with up to 128 cores, 256 threads, a max. boost frequency of 4.4GHz, and an L3 cache of up to 384MB.
- > Up to 24 DDR5 DIMMs, delivering superior speed, high availability, and a memory capacity up to 6TB.

■ Intelligent and secure

- > Supports intelligent fault diagnosis of InManage management platform and tool-less operation and maintenance.
- > Realizes BIOS/BMC chip-level redundancy to improve firmware security; supports secure erasing of drive data to prevent the firmware from malicious tampering.
- > Supports AMD SEV technology to ensure a more secure data transmission.

■ Ultra-high scalability

- > Up to 20 × 3.5-inch SATA/SAS drive, 28/29 × 2.5-inch SATA/SAS drive, 24×U.2 NVMe/E3.S SSD
- > Up to 8 standard PCIe slots and supports 2 OCP 3.0 cards.
- > Up to 4 DW GPUs

■ Eco-friendly and cost-effective

- > Supports intelligent fan speed control to effectively reduce fan noise and power consumption; supports Titanium PSUs to provide higher power conversion efficiency.
- > Uses single-socket design to lower the procurement cost and power consumption of the server, and offers TCO benefits in advantageous scenarios such as big data processing.

Product Specifications

Item	Description
Form Factor	2U rack server
Processor	1 × AMD EPYC™ 9004 series processor Up to 128 cores Up to 384MB L3 cache Up to 400W TDP
Memory	Up to 24 DDR5 DIMMs Up to 6TB memory capacity
Storage	Front: 12 × 3.5-inch SAS/SATA/NVMe drive 24 × 2.5-inch SAS/SATA/NVMe/E3.S drive 25 × 2.5-inch SAS/SATA drive (with 4 NVMe drives supported) Internal: 2 × SATA M.2 SSD or 2 × PCIe M.2 SSD 4 × 3.5-inch SAS/SATA drive Rear: Up to 4 × 3.5-inch SAS/SATA drive Up to 4 × 2.5-inch SAS/SATA/NVMe drive
Network	2 × hot-swap OCP 3.0 x8/x16 card 1/10/25/40/100Gb PCIe NICs
I/O Expansion Slot	Up to 8 × PCIe 5.0 expansion card 4 × DW GPU 2 × OCP 3.0 card
Port	Front: 1 × USB 3.0 port, 1 × USB 2.0 port, 1 × VGA port, 1 × UID button, 1 × power button and LED, 1 × status LED Rear: DC-SCM, 2 × USB 3.0 port, 1 × VGA port, 1 × RJ45 management network port, 1 × Micro USB serial port, and 1 × UID button and LED
System Management	Integrated with 1× independent 1,000 Mbps network port,dedicated for IPMI remote management
Power Supply	Supports 550W/800W/1300W/1600W/2000/2700W CPRS standard PSUs with 1+1 redundancy
Security Feature	TPM 2.0, TCM, supports AMD SEV, etc.
Dimensions (W × H × D)	435mm × 87mm × 800mm
Weight	Full configuration: ≤33 kg (For details, please refer to the White Paper)
Operating Temperature	10°C to 35°C (5°C to 45°C for some models. For more information, see the corresponding white paper.)