

KAYTUS

KR1180V2 Series

Powered by AMD Processors
High-Density Cost-Effective 1U 1-socket
Rack Server



Overview

The KAYTUS KR1180V2 is a high-density, cost-effective enterprise 1U 1-socket rack server powered by the AMD EPYC™ 9004 series processor. It boasts multiple cores, high base frequency, and large caches, delivering exceptional computing performance in a 1U high-density space. The server offers balanced networking and expansion capabilities while saving data center space, making it suitable for various application scenarios such as all-flash storage, bare metal cloud service, video transcoding, and big data.

Applicable Model

Model	Maintenance Method	Cooling Mode
KR1180-E2-A0-R0-00	Rear I/O	Air cooling

Product Features

■ Excellent performance

- > 1 AMD EPYC™ 9004 processor, with up to 128 cores, 256 threads, up to 400W TDP, 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.

■ Ultimate density

- > Up to 4 × 3.5-inch hot-swap SAS/SATA/NVMe drive + 4 × 2.5-inch hot-swap SAS/SATA/NVMe drive, 10 × 2.5-inch hot-swap SAS/SATA/NVMe drive.
- > Up to 3 standard PCIe slots and 2 hot-swap OCP 3.0 cards.

■ 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 innovative 1S1U design to effectively save the server procurement cost, power consumption and server space while ensuring the server performance.
- > 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	1U 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: Up to 4 × LFF SAS/SATA/NVMe drive + 4 × SFF SAS/SATA/NVMe drive Up to 10 × SFF SAS/SATA/NVMe drive Internal: 2 × optional SATA M.2 SSD or 2 × optional PCIe M.2 SSD
Network	2 × hot-swap OCP 3.0 card 1/10/25/40/100Gb PCIe NICs
I/O Expansion Slot	Up to 3 × standard PCIe expansion card 2 × OCP 3.0 card
Port	Front: 4 × LFF + 4 × SFF front panel: 1 × USB 3.0 port, 1 × VGA port 10 × SFF front panel: 1 × USB 2.0 port Rear: 1 × VGA port, 1 × RJ45 management port, 2 × USB 3.0 port, 1 × Micro-USB serial port
Fan	air cooling; 8×hot-swap fans with N+1 redundancy
Power Supply	Supports 550W/800W/1,300W/1,600W/2,000W CPRS standard PSUs with 1+1 redundancy
Security Feature	TPM 2.0, TCM, supports AMD SEV, etc.
System Management	Integrated with 1× independent 1,000 Mbps network port,dedicated for IPMI remote management
Operating System	Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, etc.
Dimensions (W × H × D)	438mm × 43.05mm × 800/850mm
Weight	Full configuration: ≤20.33 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.)