

**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, or 16 × E1.S SSD.
- > Up to 5 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.

# 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	<b>Front:</b> Up to 4 × LFF SAS/SATA/NVMe drive + 4 × SFF SAS/SATA/NVMe drive Up to 10 × SFF SAS/SATA/NVMe drive Up to 16 × E1.S SSD 8 × SFF drive + 2 × standard HHHL PCIe expansion card <b>Internal:</b> 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 5 × standard PCIe expansion card 2 × OCP 3.0 card
Port	<b>Front:</b> 4 × LFF + 4 × SFF front panel: 1 × USB 3.0 port, 1 × VGA port 10 × SFF front panel: 1 × USB 2.0 port <b>Rear:</b> 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 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.)