

KAYTUS

# KR2280V2 Series

Powered by AMD Processors  
Full-scenario adaptable rack server



## Overview

KAYTUS KR2280V2 AMD model is a high-end dual-socket server that uses 4<sup>th</sup> Generation AMD EPYC™ processors. With core features such as super multi-core, ultra-high memory bandwidth and large I/O throughput, the KR2280V2 AMD model provides more efficient computing resources and performance for compute-intensive applications, maintaining the consistent high performance and high-quality performance of KAYTUS Server. With flexible expansion, high-performance, high-efficiency operation and intelligent management capabilities, the product can be widely used in Internet, cloud computing, enterprise market and other scenarios.

## Product Models

Model Name	I/O	Cooling
KR2280-E2-A0-R0-00	Rear	Air cooling
KR2280-E2-C0-R0-00	Rear	Cold-plated cooling

# Product Features

## ■ Powerful Performance

- > Equipped with 4<sup>th</sup> Generation AMD EPYC™ processors, KR2280V2 supports up to 128 cores and 256 threads per CPU, up to 400W TDP, a maximum turbo frequency of 4.4GHz, up to 1150MB L3 cache
- > Supports up to 24x DIMMs of DDR5 memory (RDIMMs and 3DS RDIMMs), offering a maximum 6 TB to deliver high speed and superior availability

## ■ Flexible Expansion

- > Supports up to 20x 3.5-inch drives or 28/29x 2.5-inch drives
- > Supports 2x hot-swappable OCP3.0 slots with multiple network port options, delivering a more flexible network architecture to applications
- > Supports up to 10/9x standard PCIe Gen5 slots, further enhancing I/O performance
- > Supports optional internal SATA/NVMe M.2 SSD modules for diverse storage demands

## ■ Smart Management

- > User-friendly design, the entire system supports tool-free maintenance. The enhanced and optimized architecture design enables simple assembly/dis-assembly and greatly reduces O&M time
- > Unique intelligent regulation technology is combined with advanced air cooling system to create an optimum working environment and ensure the server lifecycle health

# Product Specifications

Item	Description
Form Factor	2U rack server
Processor	Up to one or two 4 <sup>th</sup> Generation AMD EPYC™ processors Up to 128cores 1150MB L3 cache per CPU Up to 400W TDP
Memory	Up to 24x DDR5 DIMMs 12x DDR5 memory channels per processor, up to 4800MHz RDIMM and 3DS RDIMM supported
Storage	Front: 12x 3.5-inch SATA/SAS/NVMe drives 24x 2.5-inch SATA/SAS/NVMe/E3.S drives 25x 2.5-inch SATA/SAS drives (up to 4x NVMe) SATA/SAS, supporting 4x NVMe) Internal: 2x SATA M.2 SSDs or 2 x NVMe M.2 SSDs 4x 3.5-inch SAS/SATA drives Rear: Up to 4x 3.5-inch SAS/SATA drives Up to 4x 2.5-inch SAS/SATA/NVMe drives Up to 2x M.2 SSDs or 2x E1.S SSDs
I/O Expansion Slot	KR2280-E2-A0-R0-00 supports up to 8x PCIe Gen5 slots and 2x hot-swappable OCP3.0 slots KR2280-E2-C0-R0-00 supports up to 7x PCIe Gen5 slots and 2x hot-swappable OCP3.0 slots Up to 4x dual-width GPUs or 8x single-width GPUs
Interface	Front: 1x VGA port, 1x USB3.0 port, 1x USB2.0 port Rear: 1x VGA port, 2x USB3.0 ports, 1x BMC management network port, 1x micro USB port
Fan	6x hot-swap fans with N+1 redundancy
PSU	550W/800W/1300W/1600W/2000W CRPS standard PSUs with 1+1 redundancy
System Management	Integrated with 1x independent 1,000 Mbps network port, dedicated for IPMI remote management
Security	TPM 2.0, TCM, BMC/BIOS chip-level redundancy, power capping, etc.
Operating System	Microsoft Windows Server, Red Hat Enterprise, SUSE Linux Enterprise Server, etc.
Dimensions (W × H × D)	435mm × 87mm × 800mm
Weight	Full configuration: ≤30 kg (For details, please refer to the White Paper)
Operating Temperature	10°C to 35°C (For details, please refer to the White Paper)