KAYTUS

KR1280V2 Series

Powered by AMD Processors
High density computing rack server

Overview

KAYTUS KR1280V2 AMD model is a high-density computing rack server that equipped with 4th Generation AMD EPYC™ processors. With flexible scaling, high performance computing and excellent operational efficiency, KR1280V2 can meet a variety of complex workloads, maintaining the consistent high quality and high performance of KAYTUS Server to meet the needs of various industries, and is particularly suitable for computing-intensive service scenarios such as virtualization.

Product Models

Model Name	I/O	Cooling
KR1280-E2-A0-R0-00	Rear	Air cooling
KR1280-E2-C0-R0-00	Rear	Cold-plated cooling

Product Features

■ Excellent Performance

> Equipped with 4ᵗʰ Generation AMD EPYC™ processors, 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 modules (RDIMMs and 3DS RDIMMs), offering a maximum 6TB to deliver high speed and superior availability

■ Flexible Configuration

> Supports up to 4x 3.5-inch drives and 4x 2.5-inch drives , or up to 12x 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 3/2x slots of standard Gen5 PCIe, further enhancing I/O performance
> Supports optional internal SATA/NVMe M.2 SSD modules for diverse storage demands

■ Management Optimization

> User-friendly design, the system can realize the 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	1U rack server
Processor	Up to one or two 4ᵗʰ 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, and up to 4800MHz
	RDIMMs and 3DS RDIMMs supported
Storage	Front:4x 3.5-inch + 4x 2.5-inch SATA/SAS/NVMe drives
	4x 3.5-inch SATA/SAS/NVMe drives +2x E1.S + 2x M.2 SSDs
	10/12x 2.5-inch SATA/SAS/NVMe drives
	Internal:2x SATA M.2 SSDs or 2x PCIe M.2 SSDs
I/O Expansion Slot	KR1280-E2-A0-R0-00 supports up to 3x PCIe Gen5 slots and 2x hot-swappable OCP3.0 slots
	KR1280-E2-C0-R0-00 supports up to 2x PCIe Gen5 slots and 2x hot-swappable OCP3.0 slots
Interface	Front:1x USB 2.0 port, 1x USB 3.0 port, 1x VGA port
	Rear:2x USB 3.0 ports, 1x VGA port, 1x BMC management network port, 1x micro USB port
Fan	8x 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 1000 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)	438mm × 43mm × 800/850mm
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)