

# KAYTUS

# KR2266V2

## Powered by Intel Processors High-density 2U storage rack server



## Product Overview

The KR2266V2 is a 2U dual-socket storage-optimized server. It adopts an innovative three-tier storage architecture, which boosts the storage density, computing performance, network bandwidth, and intelligent management. It is highly applicable to scenarios such as big data, CDN, hyper-convergence, and distributed storage.

## Applicable Models

Product Model	I/O	Cooling
KR2266-X2-A0-R0-00	Rear	Air cooling

# Product Features

## ■ High-density storage

The server supports up to 38 drives in a 2U space. Compared with a traditional 12-drive 2U server, its storage density is increased by 158% (max. SSD:HDD ratio = 1:2) to deliver large capacity, high-density storage, and high cache benefits.

## ■ Large bandwidth

The data rate of PCIe 5.0 cards reaches 32 GT/s - a 200% increase over PCIe 3.0 cards. With outstanding I/O scalability, the server supports 400 Gb low-latency networks.

## ■ Ultra-high computing power

The server supports two 4th Gen Intel® Xeon® Scalable processors at up to 350W TDP. The server's computing performance is up to 60% higher than its predecessor, meeting the demand for ever-higher computing power in big data analysis.

## ■ Intelligent environment perception

With a professional hardware and software design, the server can monitor the temperature, airflow, and air pressure of its operating environment in real time, and intelligently adjust the cooling strategy accordingly. This helps prolong the service lifecycle of drives and ensures that the storage server is always running optimally. Further, it provides AI fault prediction and recommended troubleshooting schemes for the storage media to ensure the stable operation of the system.

# Product Specifications

Item	Description
Form Factor	2U rack server
Processor	One or two 4 <sup>th</sup> Gen Intel® Xeon® Scalable processors Up to 60 cores, with a max Turbo frequency of 4.2 GHz 4 UPI links per CPU at up to 16 GT/s per link Up to 350W TDP
Chipset	Intel C621A
Memory	16 optional DIMM slots that support up to DDR5 DIMMs (4,800 MT/s).
Storage	Front: Up to 24× 3.5/2.5-inch hot-swappable SAS/SATA drive Middle: Up to 8× 2.5-inch SAS/SATA drive Rear: Up to 8× 2.5-inch SAS/SATA/NVMe/E1.S SSD or 4× 3.5-inch drive (hot-swappable) Internal: 2× SATA/PCIe M.2 SSD
Storage Controller	RAID/SAS controller Onboard PCH that supports 14x SATA connectors Intel onboard NVMe controller and optional Intel NVMe RAID key
Network	Supports multiple types of network expansion, and 2 OCP 3.0 cards Supports expansion of PCIe 5.0 cards and smart NICs
I/O Expansion Slot	Up to 8x PCIe slots, including 1 OCP 3.0 slot
Port	1× USB type-C port 3× USB 3.0 port 1× DB15 VGA port 1× COM port (Micro USB) 1× RJ45 management network port
Fan	Hot-swappable fans with N+1 redundancy
Power Supply	Supports 800W/1,300W/1,600W/2,000W CRPS power supplies with 1+1 redundancy
System Management	Integrated with 1 independent 1 Gb/s network port, dedicated to IPMI remote management
Security Feature	Two-factor authentication, TPM 2.0, intrusion alert, BMC/BIOS redundancy, air pressure monitoring, memory health self-inspection, storage medium monitoring, power capping, etc.
Operating System	Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, CentOS, etc.
Dimensions (W × H × D)	447mm × 87.5mm × 866mm
Weight	Weight (with all drives installed): 45 kg(99.2 lbs). (For details, refer to the White Paper)
Operating Temperature	5°C to 45°C.41°F-113°F (For details, refer to the White Paper)