

R965A Heterogeneous Computing AI Server

The R965A is a high-end 6U rack server built for 4th/5th Generation AMD EPYC processors. It supports multiple GPU topologies and features enhanced power supply and cooling systems. It reserves N+N redundant power supply capacity to support 8 single 1000W GPUs, easily meeting the growing computing power demands in the market and suitable for large-scale cluster deployment.



Heterogeneous Intelligent Computing,

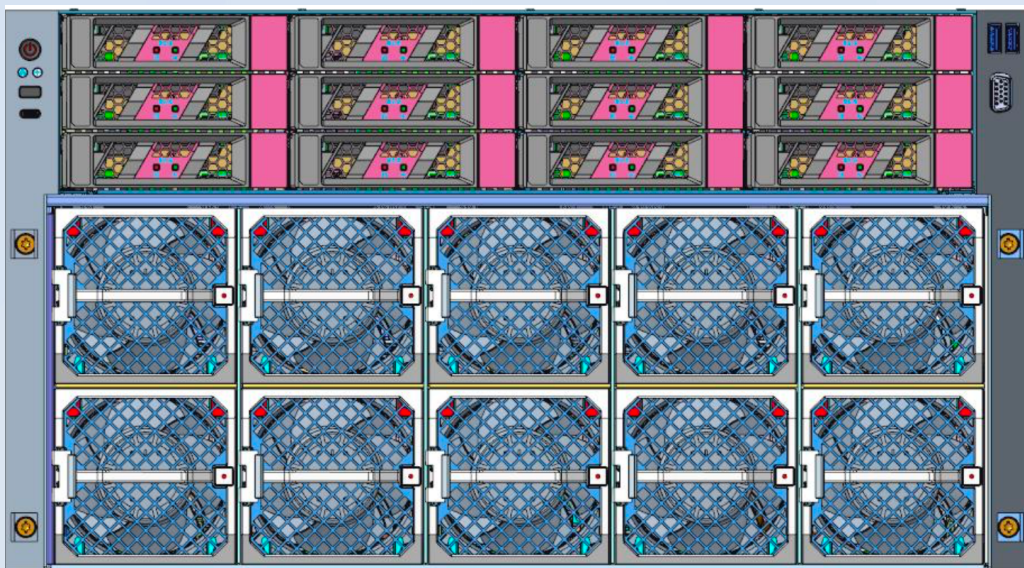
Simplify AI Computation

Specifications

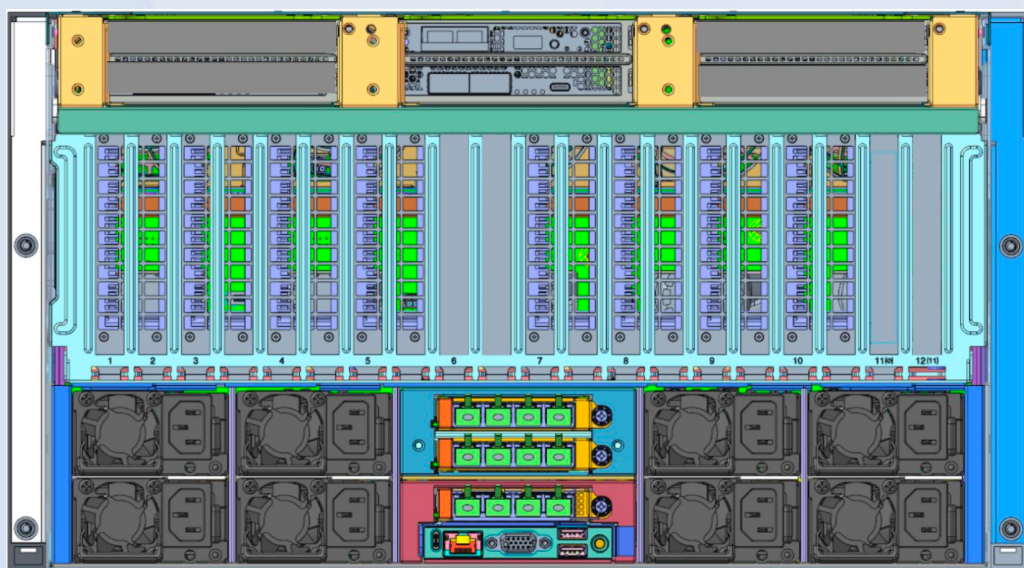
Model	R965A
Processor	Supports 2*4th/5th Generation AMD EPYC processors, with up to 192 cores per single CPU.
Memory	Up to 24*DDR5 memory slots, supporting a maximum memory frequency of 6400 MT/s.
GPU	Supports up to 8 double-width GPUs.
Storage Controller	Integrated SATA hard drive controller. When equipped with a RAID controller, it supports multiple storage schemes including RAID 0/1/10/5/50/6/60. Supports supercapacitor cache protection.
Local Storage	Front: up to 12*2.5-inch hard drives, compatible with NVMe drives. Internal: 2*SATA M.2 slots + 1 onboard eMMC chip.
Network Interfaces	OCP 3.0 network adapter with NCSI function.
PCIe Expansion	Up to 18*PCIe 5.0 expansion slots, plus an additional dedicated OCP slot.
Additional Interfaces	Rear panel: 1*RJ45 management port, 2*USB 3.0 ports, 1*VGA port. Front panel: 2*USB 3.0 ports + 1*VGA port.
Power Supply	Optional 2700W / 3200W CRPS high-efficiency Platinum/Titanium hot-swappable power supplies with N+N redundancy support.
Fans	15*hot-swappable fans with N+1 redundancy support.

Management	Integrated BMC chip, providing 1*Gbps RJ45 management port, compatible with standard interfaces including Redfish, SNMP and IPMI 2.0.
OS Support	RedHat Enterprise Linux、SUSE Linux Enterprise Server、Rocky、Ubuntu
Operating Temperature	5°C ~ 35°C during operation
Chassis Dimensions	850mm*446mm*263.5mm

Product View



Front View



Rear View

Product Features

Ultimate Performance with Multi-Layer Expansion

Supports 2 x 4th/5th Generation AMD EPYC processors with up to 192 cores per CPU; accommodates up to 24 DDR5 memory modules at a maximum frequency of 6400 MT/s, delivering a 71% boost in memory bandwidth. Fully compatible with 2-8-5 network topology. Reversible tray design enables abundant PCIe expansion capacity.

Superior Cooling for High Efficiency & Stability

Innovative split cooling design delivers an 87% improvement in cooling performance. Custom patented fans increase airflow by 30% while cutting power consumption by 15%.

Streamlined O&M & Intelligent Management

Tool-free maintenance design enables fast disassembly and assembly of peripheral components to drastically shorten maintenance time. Out-of-band visual management allows remote precise location of physical hardware, further optimizing operation efficiency. The system automatically records crash logs which can be viewed and downloaded online for accurate fault localization. It monitors and reports the health status of key components, enabling intelligent full-lifecycle service for the device.