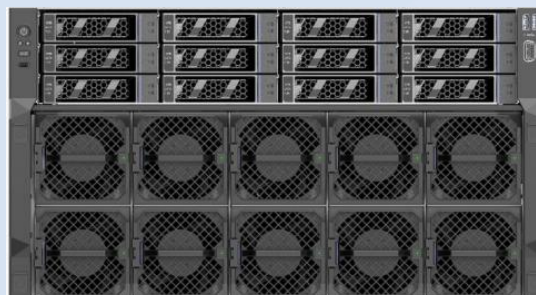




R966

6U All-Round AI Server

The R966 is a high-end 6U rack-mounted server built on 6th Gen Intel® Xeon® Scalable processors. It can be equipped with up to 8 pieces of 600W professional GPU AI acceleration cards, supporting multiple topologies to cover various small and medium-scale AI inference and training scenarios, and meet the demands of internet, autonomous driving, OEM and other customers.



*Extreme Performance with
Scalability*

Specifications

Model	R966
Form Factor	6U AI Server
Processor	Supports 2×6th Gen Intel® Xeon® Scalable Processors, TDP up to 350W
Memory	Up to 32×DDR5 memory slots, maximum frequency 6400MHz.Supports multiple protection modes including memory mirroring, memory hot spare and memory fault isolation
Storage Controller	Supports JBOD pass-through, RAID 0, 1, 10, 5, 50, 6, 60 and multiple storage modes.When configured with RAID controller, it supports supercapacitor cache protection, RAID level migration, disk roaming, self-diagnosis, Web-based remote configuration, and secure boot for RAID cards
Local Storage	Front bay: Max. 12×3.5-inch or 24×2.5-inch hot-swappable drives, compatible with NVMe SSDsRear bay: Max. 2×U.2 drivesInternal bay: 1×PCIe M.2 + 1×onboard eMMC chip
Network Interfaces	OCP 3.0 network card with NCSI function, supports 2 OCP 3.0 slots.Optional OCP port configurations: 2×GE, 2×10GE, 2×25GE, 2×100GE, 2×200GE
PCIe Expansion	Up to 18×PCIe 5.0 expansion slots including 1 OCP slot.Supports up to 8 dual-width GPUs, expandable to 10 dual-width GPUs
Fan Modules	15×8080 hot-swappable fans with N+1 redundancy support



Additional Interface	Rear chassis: 1×RJ-45 management port, 2×USB 3.0, 1×VGA Front chassis: 2×USB 3.0 + 1×VGA
Power Supply	Optional 2700W / 3200W CRPS high-efficiency hot-swappable Platinum PSUs, supports N+N redundancy. Input voltage range: 100~240V AC (refer to device nameplate for actual rated input)
Management	Integrated BMC chip with 1Gbps RJ45 management port. Compliant with Redfish, SNMP, IPMI 2.0 industry standards. Features HTML5-based iKVM remote management interface, delivering comprehensive fault diagnosis, automated O&M and full remote control functions. Supports dual-flash BMC backup.
OS Support	RedHat Enterprise Linux, SUSE Linux Enterprise Server, Rocky, Ubuntu, etc.
Operating Temperature	5°C ~ 35°C during operation
Chassis Dimensions	850mm (L) × 446mm (W, without mounting ears) × 263.5mm (H) 850mm (L) × 482mm (W, with mounting ears) × 263.5mm (H)
Weight	Max. 80KG (varies by actual hardware configuration)



Product Features

Ultimate Performance

- ◆ Powered by up to 2×6th Gen Intel® Xeon® Scalable Processors, single CPU supports up to 86 cores for powerful parallel computing performance
- ◆ Equipped with up to 32×DDR5 memory slots at maximum 6400MHz, memory performance improved by 15%
- ◆ Compatible with multiple topologies including No Switch, Single Uplink and Dual Uplink; supports 8×600W GPU cards and N+N redundant power supplies

Extremely Quiet & Energy-Efficient

- ◆ Equipped with 15 customized high-performance fans, airflow increased by 30% to deliver extreme heat dissipation and maintain GPUs running at full performance
- ◆ Adopts upper and lower layered air duct isolation design with partitioned heat dissipation, reducing system air resistance and improving fan cooling efficiency

Streamlined Operations & Intelligent Management

- ◆ Out-of-band visualization management enables remote and precise location tracking of physical devices to further optimize maintenance efficiency
- ◆ Automatic crash logging with online viewing and download of crash logs for accurate fault diagnosis
- ◆ Provides real-time health monitoring and reporting for critical components, delivering comprehensive intelligent services throughout the entire product lifecycle