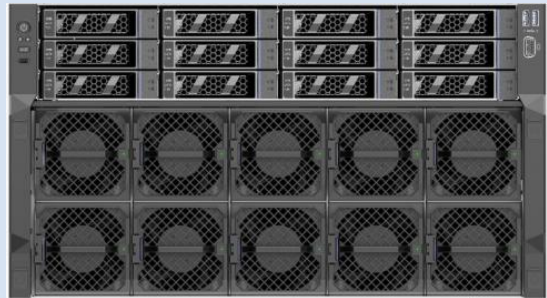


R966

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 2x6th Gen Intel® Xeon® Scalable Processors, TDP up to 350W
Memory	Up to 32xDDR5 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. 12x3.5-inch or 24x2.5-inch hot-swappable drives, compatible with NVMe SSDsRear bay: Max. 2xU.2 drivesInternal bay: 1xPCIe M.2 + 1xonboard eMMC chip
Network Interfaces	OCP 3.0 network card with NCSI function, supports 2 OCP 3.0 slots.Optional OCP port configurations: 2xGE, 2x10GE, 2x25GE, 2x100GE, 2x200GE
PCIe Expansion	Up to 18xPCIe 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