



**NCS6721A N6**

**NETAŞ RACK  
SERVER**

**DATASHEET**

The NCS6721A N6 is a general rack server developed by NETAŞ based on the fifth-generation AMD EPYC 9005 series of high-performance processors. It uses a secure and reliable software and hardware system, and has multiple cores, high throughput, strong single-thread capability, high computing performance, processors, and high IO channel bandwidth. It provides excellent Total Cost of Ownership (TCO) for cloud computing, large data analysis, and software-defined data centers, and easily copes with low-latency and data-intensive workloads.

## 1. High Density, High Performance

- Universal computing : Supports one AMD EPYC 9005 series processor, a maximum of 192 cores, and 384 threads.
- Intelligent computing : Supports a maximum of four dual-width full-length GPU cards.
- High memory bandwidth: Twelve DDR5-6400 memory modules are supported to accelerate the performance of memory-intensive applications.
- A maximum of thirty-two NVMe U.2/E1.S/E3.S are supported. hard disk, which provides a high- speed IO interface and solves the bottleneck of slow access to traditional hard disks.

## 2. High Scalability

- Supports diversified storage configurations. A maximum of thirty-five 2.5" disk slots or sixteen 3.5" disk slots + 4 2.5" disk slots are supported.
- Sixteen PCIe 5.0 expansion slots are supported to meet the flexible expansion requirements of network and storage control.

### 3. Easy management and convenient maintenance

- Intelligent management platform for out-of-band monitoring of CPU, memory, hard disks, fans, power supplies, and network resources
- Supports standard interfaces such as IPMI, SNMP, and Redfish, and can be integrated with third- party management systems.
- Supports automatic deployment, firmware upgrade, and remote operations to improve deployment and O&M efficiency.
- Provides powerful KVM functions.

### 4. Green, energy-saving, and environmental protection

- Uses 80PLUS high-efficiency platinum/titanium power supplies that support high-voltage DC and low-voltage DC technologies to improve energy utilization.
- High-efficiency fans are used to support intelligent rotation speed adjustment and lower power consumption under the same heat dissipation capability.
- Supports cold plate liquid cooling, and provides a full-stack liquid cooling solution for data centers.
- Lead-free design for environmental protection

## 5. Technical Specifications

Specification	NCS6721A N6
<b>Host Features</b>	
Form	2U rack server
Processor	Supports one AMD EPYC 9005 series processor. Each processor supports a maximum of 192 cores and supports hyper-threading.
Memory	Twelve DDR5 memory slots, maximum rate: 6400MT/s
Hard disk controller	Supports RAID 0/1/5/6/10/50/60 and power-off protection.
Local storage	Supports a maximum of thirty-five 2.5" disk slots or sixteen 3.5" disk slots and +4 2.5" disk slots. A maximum of thirty-two U.2/E1S/E.3.5 are supported
Video card	Integrated video card, optional PCIe standard video card
System Management	Web management interface, which supports IPMI2.0, SNMP, RedFish, and KVM Over IP.
<b>IO module</b>	
PCIe slot	Supports a maximum of sixteen PCIe expansion slots (including one OCP 3.0 slot).
External Device Interface	Five USB interfaces (two rear USB3.0 interfaces, one front USB3.0 interface, one internal USB3.0 interface, and one front USB2.0 interface) Two VGA interfaces (one on the front end and one on the back end) One serial port (TYPE-C) One IPMI GE management interface
<b>Physical Features</b>	
Power supply	Two CRPS standard power supplies that support hot swapping and 1+1 redundancy Optional 800W/1300W/1600W/2000W/2700W/3200W, platinum/titanium power supply Supports 110V/220V AC, 240V/336V HVDC, and-48V DC.
Environmental Conditions	Operating temperature: 5°C - 45°C (The operating temperature is affected by different configurations. For details, refer to the technical document.) Storage temperature:-40°C - 65°C Operating humidity: 8% – 90% RH, non-condensing Transportation and storage humidity: 5% – 95% RH, non-condensing Altitude: Less than or equal to 3,000m. When the altitude is higher than 900m, the operating temperature decreases by 1° C every 300m above sea level. If the altitude is above 3,000m, mechanical hard disks cannot be configure.
System Dimensions	436 mm x 87 mm x 830 mm (W x H x D), excluding flanges and guide rails Standard 19-inch rack type (rack depth: >=1 m)
Fan	Hot-swappable high-efficiency fans, supporting N+1 redundancy
Weight	≤40 kg (excluding guide rails)
Related Certification	CCC, CE...
<b>OS</b>	
Compatible Operating System	Microsoft Windows Sever, Red Hat Enterprise Linux, SUSE Enterprise Linux, VMware ESXi, and Ubuntu...

**Note:** [1] The product specifications are in the planning stage. For specific and currently available configurations, please refer to the detailed product manual.

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