

NCS6712A N4

**NETAŞ CLOUD
SERVER**

DATASHEET

NCS6712A N4, is a new-generation 1U2 socket general rack server, which supports 2 AMD®EPYC® scalable processor family.

NCS6712A N4 uses a high-density, modular, and streamline design.

It features high performance, high reliability, easy expansion, and easy management, which is widely applicable to the Internet, cloud computing, big data, and virtualization fields.

1. High Density, High Performance

- Supports two AMD®EPYC® Scalable Processor family.
- Provides 32 DDR5 memory slots, with a maximum rate of 4,800MT/s
- Provides high-speed I/O performance and supports high-performance NVMe SSD.

2. High Scalability, High Bandwidth

- Provides a maximum of 10 2.5" disks to meet the requirements for large-capacity storage.
- Supports NVMe optionally and provides high-speed I/O interfaces and solves the bottleneck of slow hard disk access in traditional solutions.
- Provides the powerful expansion capability and supports up to 6 PCIe 5.0 expansion slots.
- Supports two OCP3.0 standard NICs (x16+x8).

3. High Availability, High Reliability

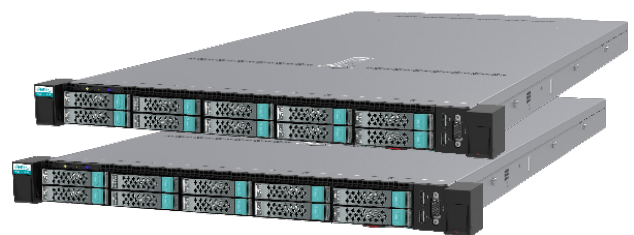
- The good heat dissipation design improves system reliability, and effectively extends the life of components and reduces costs.
- The hard disks, power supplies, and fans support hot swapping, improving the availability of the system.
- Supports RAID 0, 1, 5, 6, 10, 50, 60 supports power-off protection, and provides multiple data protection solutions for users.
- Power modules support 1+1 redundancy, and fans support N+1 redundancy, improving system reliability.
- Supports TPM/TCM.

4. Convenient Management, Easy Maintenance

- Provides the intelligent management platform, implementing out-of-band monitoring of resources such as CPUs, memories, hard disks, fans, power supplies, and networks.
- Supports standard interfaces such as IPMI, SNMP, and Redfish, so that the platform 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 the KVM function.

5. Green, Energy Saving, Environment Protection

- 80PLUS high-efficiency platinum/titanium power supplies are used to support power capping.
- Supports high-voltage DC and low-voltage DC technologies to improve energy utilization.
- Intelligent rotation speed adjustment and silence design
- Lead-free design and environmental protection



6. Technical Specifications

Technical Specification	NCS6712A N4 1U Rack Server
Feature	
From	1U Rack Server
CPU	½ AMD®EPYC® scalable processor
Memory	Support up to 32 DDR5 memory slots with maximum rate of 4,800 MT/s
Raid controller	Supports RAID 0/1/5/6/10/50/60 and power-off protection
Local Storage	Provides a maximum of 10x 2.5" slots, SAS/SATA supported, NVMe optional and hot swapping is supported + 2x 2.5" rear slots, SAS/SATA supported, NVMe optional and hot swapping (optional)
I/O Module	
Network Resources	Supports 2x OCP3.0 interfaces, one of which supports PCIE5.0 x 16 and the other supports PCIE5.0 x 8
PCIe slots	Supports up to 6 PCIe slots: Supports maximum of three PCIe standard slots Two dedicated OCP slots One built-in dedicated RAID card slot
External Equipment interface	4x USB interface 2x rear USB3.0 1x front USB3.0 1x front USB2.0 2x VGA interface (1x front, 1x rear) 1x RS232 - Serial port
Hardware Management Interface	Support 1 independent GE management network interface
Display	Integrated display cards, Supporting the optional configuration of PCIe standard display cards
OS	
Compatible OS	Compatible with mainstream server operating systems: Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Enterprise Linux, Vmware ESXI, Ubuntu

Physical Features	
Power	Supports 1+1 hot/swappable redundant power supplies. (Optional) 550 W/800 W/1200 W/1600 W/2000 W/2600 W high-efficiency platinum power supply Supports 110V/220V AC, 240V/336V high-voltage DC and -48V DC
Fan	Eight high-efficiency fans, N+1 redundancy and intelligent heat dissipation system
Environmental conditions	Operating temperature: +5 °C to +45 °C (depending on the configuration, refer to the technical documentation for details) Storage temperature: -40 °C to +65 °C Operating humidity: %8 – %90 RH, no condensation Transportation and storage humidity: %5 – %95 RH, no condensation Altitude: ≤ 3.000m. When the altitude is 900m. higher, the operating temperature is reduced by 1°C for every 300m. higher. If the altitude is more than 3.000m., you cannot configure mechanical hard disks.
Size	432 mm x 43 mm x 780 mm (W x H x D), excluding flanges and guide rails Standard 19-inch rack (>=1m deep)
Weight with full configuration	The equipment with the maximum configuration is about 27Kg. (Excluding guide rails)
Certificate	CE, CCC