



**NCS6712 N4**

**NETAŞ CLOUD  
SERVER**

**DATASHEET**

NCS6712 N4, is a new-generation 1U2 socket general rack server, which supports 2 Intel ® Xeon ® 4/5 generation scalable processor (Eagle Stream).

NCS6712 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 Intel 4th/5th Generation of Intel® Xeon® Scalable Processors (Eagle Stream) with a single processor of up to 64cores.
- Provides dual CPUs for high-speed interconnection. Up to 3 UPIs for fast channel interconnection.
- The transmission rate can reach 20GT/s.
- Provides 32 DDR5 memory slots, with a maximum rate of 5,600MT/s
- Provides high-speed I/O performance and supports high-performance NVMe SSD.

### **2. High Scalability, High Bandwidth**

- Provides a maximum of 12 2.5" disks to meet the requirements for large-capacity storage.
- Supports a maximum of 12 NVMe SSDs, 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).
- Provides the powerful computing capability and supports two high-performance GPUs.

### 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	NCS6712 N4 2U Rack Server
<b>Feature</b>	
<b>From</b>	1U Rack Server
<b>CPU</b>	½ Intel® Xeon® 4th/5th generation scalable processor (Eagle Stream)
<b>Chipset</b>	Intel C741
<b>Memory</b>	Support up to 32 DDR5 memory slots with maximum rate of 5,600 MT/s
<b>Interconnection bus</b>	Provides 3 UPI interconnection links. The maximum rate of a single link is 20GT/s Provides x4 DMI high-speed channels
<b>Raid controller</b>	Supports RAID 0/1/5/6/10/50/60 and power-off protection
<b>Local Storage</b>	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)
<b>I/O Module</b>	
<b>Network Resources</b>	Supports 2x OCP3.0 interfaces, one of which supports PCIE5.0 x 16 and the other supports PCIE5.0 x 8
<b>PCIe slots</b>	Supports up to 6 PCIe slots: Supports maximum of three PCIe standard slots Two dedicated OCP slots One built-in dedicated RAID card slot
<b>External Equipment interface</b>	5x USB interface 2x rear USB3.0 1x front USB3.0 1x front USB2.0 1x internal USB3.0  2x VGA interface (1x front, 1x rear) 1x RS232 - Serial port
<b>Hardware Management Interface</b>	Support 1 independent GE management network interface
<b>Display</b>	Integrated display cards, Supporting the optional configuration of PCIe standard display cards

OS	
<b>Compatible OS</b>	Compatible with mainstream server operating systems: Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Enterprise Linux, Vmware ESXI, CGSL
Physical Features	
<b>Power</b>	Supports 1+1 hot/swappable redundant power supplies. (Optional) 550 W/800 W/1200 W/1600 W/2000 W high-efficiency platinum/titanium power supply Supports 110V/220V AC, 240V/336V high-voltage DC and -48V DC
<b>Fan</b>	Eight high-efficiency fans, N+1 redundancy and intelligent heat dissipation system
<b>Environmental conditions</b>	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.
<b>Size</b>	432 mm x 43 mm x 780 mm (W x H x D), excluding flanges and guide rails Standard 19-inch rack (>=1m deep)
<b>Weight with full configuration</b>	The equipment with the maximum configuration is about 27Kg. (Excluding guide rails)
<b>Certificate</b>	CE, CCC, CQC