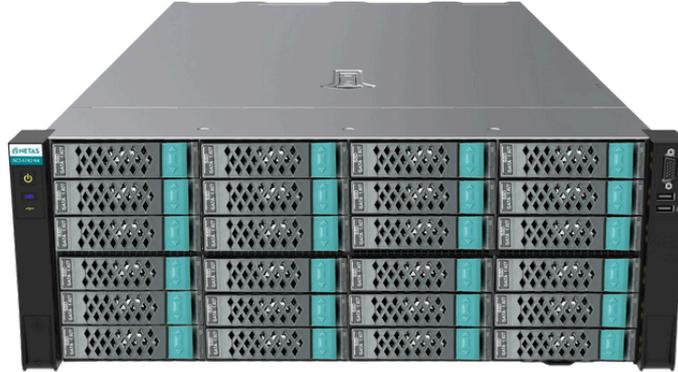# NETAŞ NCS6742 N6

Netaş Domestic Server Series

OVERVIEW

NCS6742 N6 is Netas's next-generation 4U dual-socket universal rack server. It supports two Intel® Xeon® 6 processors with E-core architecture, offering high density, modular design, and refined engineering. NCS6742 N6 features high performance, large capacity, high reliability, easy scalability, and simplified management, making it widely applicable to cloud computing, big data, virtualization, and other fields.

1. High Density and High Performace

- Supports two Intel® Xeon® 6 processors with E-core architecture, with up to 144 cores per processor.

- Provides 32 DDR5 memory slots, with speeds up to 6400 MT/s.

- Supports up to 44× 2.5″ or 24x 3.5" drive bays having various front storage drive bay configurations, supporting hot-swapping: 24x2.5/3.5" drive bays, supporting HDD/SSD, with 8 slots supporting U.2 drives.

- Various rear storage module configurations are available, with hot-swappable replaceable modules: 12x2.5/3.5" drive bays, supporting HDD/SSD/U.2/E3.S drives. 2x2.5" drive bays with replaceable modules, supporting HDD/SSD/U.2/E1.S drives, supporting up to 4 drives. 2x2.5/3.5" drive bays with replaceable modules, supporting HDD/SSD/U.2/E3.S/E1.S drives, supporting up to 4 drives.

Key Features

- 2 pcs up to 144 cores Intel® Xeon® 6th Gen E-Core CPU

- Maximum 8 TB 32 pcs DDR5 with 6400 MT/s RAM support

- 44 pcs 2.5" SAS/SATA disk support

- Up to 12 pcs PCIe 5.0 support

2. High Availability, High Reliability

- Hot-swap support for hard drives, power supplies, and fans, enhancing system availability.
- Supports RAID 0, 1, 5, 6, 10, 50, and 60, providing protection against power outages and offering various data protection solutions.
- 1+1 power supply redundancy and N+1 fan redundancy to improve system reliability.
- TPM/TCM support for enhanced security.
- N+N power supply redundancy for further system protection.

3. Convenient Management, Easy Maintenance

- The intelligent management platform enables out-of-band monitoring of CPU, memory, hard drives, fans, power supplies, and network resources.
- Supports standard interfaces such as IPMI, SNMP, and Redfish, and can be integrated with third-party management systems.
- Enhances deployment and O&M (Operations & Maintenance) efficiency by offering features like automatic provisioning, firmware updates, and remote operation support.
- Provides powerful KVM (Keyboard, Video, Mouse) functionality.

4. Green, Energy Efficiency, Environmental Protection

- Supports 80 PLUS Platinum/Titanium high-efficiency power supplies and features power capping for energy control.
- Enhances energy efficiency by supporting high-voltage DC and low-voltage DC technologies.
- Features smart fan speed adjustment and operates silently.
- Environmentally friendly lead-free design.

5. Technical Features

FEATURES	NETAŞ NCS 6742 N6
Rack Type	4U Rack Server
CPU	1/2 Intel ® Xeon ® 6th Gen E-core Series
RAM	32 pcs DDR5 DIMM slot with 6.400MT/s support
Interconnect Bus	4 pcs UPI interconnection with a maximum speed of 24GT/s per link.
Storage Controller	Supports RAID 0, 1, 5, 6, 10, 50, 60, with power-loss protection.
Local Storage	- Various front storage drive bay configurations, supporting hot-swapping: 24x2.5/3.5" drive bays, supporting HDD/SSD, with 8 slots supporting U.2 drives. - Various rear storage module configurations are available, with hot-swappable replaceable modules: 12x2.5/3.5" drive bays, supporting HDD/SSD/U.2/E3.S drives. 2x2.5" drive bays with replaceable modules, supporting HDD/SSD/U.2/E1.S drives, supporting up to 4 drives. 2x2.5/3.5" drive bays with replaceable modules, supporting HDD/SSD/U.2/E3.S/E1.S drives, supporting up to 4 drives.
Network Resources	2 pcs OCP 3.0 interface and the one has PCIe 5.0 x16, the other PCIe 5.0 x8 support.(Multihost optional)
PCIe Slots	Supports up to 12 PCIe expansion slots: 2 dedicated OCP slots 10 standard PCIe slots
External Equipment Interface	5 USB interface having: 2 rearUSB 3.0, 1 front USB 3.0, 1 internal USB 3.0 , 1 front USB 2.0 port 2 VGA interface (1 front, 1 rear) 1 serial port(Type-C)
External Man. Interface	1 independent GE management network port
Display	Integrated graphics card, with an option to support PCIe standard graphics cards.
Power	- Supports 1+1 hot-swappable redundant power supply. - Optional 800W/1200W/1600W/2000W,2700W,3200W,3600W supporting high-efficiency Platinum/Titanium power supplies. - Supports 110V/220V AC, 240V/336V high-voltage DC, and -48V DC.
Fan	4/6 high-efficiency fans, N+1 redundancy, with an intelligent cooling system.
Compatible OS and Platforms	Microsoft Windows Server 2019-2022, Red Hat Enterprise Linux 8-9, Red Hat OpenShift 4-17, SUSE Linux Enterprise Server 12-15, Ubuntu 22.04 LTS 64-bit, VMware ESXi 7.0 U3-8.0
Environmental Conditions	- Operating Temperature: 5°C~ +45°C(Operating temperature varies by configuration.) - Storage Temperature: -40°C~ +65°C - Operating Humidity: %8 – %90(non-condensing) - Altitude: ≤3.000 m
Size	Standard 19 inc rack，W482mm × H 175mm × D 866.2mm
Weight	Maximum configuration 60 kg (without guide rails)

Connect with us

For detailed information about the Netaş NCS6742 N6, you can call +90 (216) 522 20 00 or visit the website at netas.com.tr.

Yenisehir Dist, Osmanli Boul No:11 Esas Aeropark Building – Kurtkoy / Pendik / Istanbul, Turkey

facebook.com/netastr

twitter.com/netastr