Inspur NF8260M5 server

A highly scalable computing platform designed for critical application workloads

The NF8260M5 is a 2U 4socket rackmount server designed by Inspur based on the latest Intel® Xeon® scalable processor series. It has reach the industry-leading computing density by supporting up to 4 Intel® Xeon® scalable processors as well as 48 * DDR4 DIMMs and 24*2.5" hard drives in a 2U space.

Product features

Ultimate Computing Density

The NF8260M5 integrates up to 4 Intel® Xeon® scalable processors with maximum 3.6 GHz frequency, it has 38.5 MB level-3 high capacity cache and up to 112 physical cores as well as 224 threads. Four processors are directly intercon-nected with each other at a UPI speed of up to 10.4 GT/s. This results in a high parallel computing power and a 65% increase in computing performance compared to previous server generations.

Flexible and User-Centric Scalability

The modular design of hard drive, I/O, and integrated network ensure flexible configurations based on different needs. The NF8260M5 also supports 9 PCIe 3.0 slots for customers requiring flexibility to tailor diverse performance and scalability.

High Manageability and Resilience

Key components redundancy and NVDIMM supported, providing full protection for memory data in the event of power outage.

The NF8260M5 supports memory protection.

The embedded server intelligent management chipset supports IPMI2.0 and Redfish management for realizing comprehensive emote system monitoring, remote KVM, and virtual media functio.

The NF8260M5 supports embedded oscilloscope diagnosis technology for real-time monitoring, recording and analysis of fault signals, and the rapid identification of fault sources.

Added support for code-level diagnostics and analysis.

Basic system information and error code can be displayed through the external LCD diagnosis screen.

✉ Product Specifications

Component	Description
Form Factor	2U Rack mount
Processor	Supporting 2/4 Intel® Xeon® Scalable Processors Processor Core: up to 28 cores(freq. 2.2 GHz) Processor Frequency: up to 3.6 GHz (8 cores) Two UPI interconnected links, the maximum transmission rate of single link is 10.4 GT/s TDP: up to 205W.
Chipset	Intel C622
Memory	Up to 48*DDR4 2666/2933 MT/s memory Single CPU supports 8*DIMMs, dual CPU support 24*DIMMs. Supporting RDIMM/LRDIMM/NVDIMM/ OptaneTM PMem Each RDIMM/LRDIMM supports up to 128 GB（6TB in all） Each OptaneTM PMem supports up to 128 GB
Storage	Supporting up to 24*2.5" hard drives Supporting up to 6*U.2 NVMe SSDs Supporting up to 2*M.2 SSDs (The maximum quantity of supported hard drives is related to the specific configurations)
Storage Controller	Onboard SATA controller supporting RAID 0/1 Standard PCIe RAID controller supporting RAID 0/1/5/6/10/50/60
Network	Supporting standard OCP card and flexible network configurations The OCP card supports NCSI function and accesses the BMC management system via Sharelink technology 1. 4 * 1Gb RJ45 2. 2 * 10Gb SFP+ 3. 2 * 10Gb RJ45 4. 2*25Gb SFP+
I/O Scalable slot	Supporting up to 9*standard PCIe3.0 slots
Interface	Front : 1*USB2.0 port, 1*USB3.0, 1*VGA port, liquid crystal diagnosis screen Rear : 2*USB3.0 ports, 1*VGA, 1* Gb management interface, 1*dedicated management interface, 1*COM Embedded: 1*USB3.0
System Fan	6*6056 system fans supporting N+1 redundant and how-swap
PSU	Supporting up to 2*800W/1300W/1600W/2000W CRPS PSUs, 1+1 redundant
System management	Supporting remote management and control, e.g. IPMI2.0,KVM over IP, SOL, and SNMP Supporting external BMC-dedicated management interface and BMC diagnosis serial port Supporting offline troubleshooting
OS	Supporting Microsoft Windows Sever/Red Hat Enterprise Linux/SuSE Linux Enterprise Server etc.
Dimension	With handles: 479 mm (W); 87 mm (H); 806 mm (D) Without handles: 446 mm (W); 87 mm (H); 780 mm (D) With packaging: 651 mm (W); 295 mm (H); 1031 mm (D)
Weight	Full configuration: 37.2kg (including server + package + slide rails + components box)
Operating temperature	0℃～40℃