INSPUR NF5270M5 SERVER

2U rackmount servers optimized for small and medium-sized enterprises

Besides guaranteeing high performance, the Inspur NF5270M5 server reduces energy consumption and provides the highest flexibility and scalability. As a mid-range server, it delivers optimized small scale virtualization, caching and logging.

Product Features

High cost/performance ratio

The NF5270M5 supports the latest Intel® Xeon® scalable processor. Each processor supports up to 26 cores, 52 threads, and a maximum TDP of 150W.
Configurable to a maximum of 16 DDR4-2933 DIMMs for a total of 1 TB. The NF5270M5 also supports RDIMM, LDRIMM, ECC, memory imaging, and hot standby.
Supports up to 4 128 Gb Optane™ PMems.
The 4 hot swappable NVMe SSD hard drives are fully configurable and provide a ten-fold input/output operations per second (IOPS) increase compared to SATA SSDs for high-end enterprise applications, providing increased storage bandwidth.

Flexible scalability

Each front node supports up to 12 3.5" hard drives or 25 2.5" hard drives, while on the rear nodes there is support up to 2 M.2 hard drives or 2 2.5" SATA hard drives, bringing about a significant increase in storage.
Supports 2 M.2 SSDs for faster and more secure operating system startups. Supports 6 PCIe 3.0 slots for customers requiring flexibility for diverse system function and performance.
The onboard dual-port 1 Gb network card reduces configuration costs and eases maintenance.

Secure, reliable, easy to operate, and accessible

Optimized hardware design for quick deployment, lower, still, maintenance costs and further increasing operational availability.
Inspur's unique intelligent control technology optimizes internal cooling to ensure server stability even at temperatures of up to 35℃.
With the latest BMC technology, our technical support personnel can perform diagnostics through the remote Web interface. The LED and front UID indicators display the location and status of fault states, simplifying maintenance, reducing troubleshooting time, and increasing system availability.
All swappable components are equipped with a fool-proof design for easier maintenance.

Product Specifications

Component	Description
Specifications	2U rackmount
Processor	Supports single and dual Intel® Xeon® series scalable processors: supports up to 26 cores at a frequency of 2.0 GHz; maximum 3.6 GHz (8 cores); 2 UPI interconnected chains with maximum speed of 10.4 GT/s per chain
Chipset	Intel C621 series
Memory	Supports up to 16 DDR4 2400/2666/2933 MT/s DIMMs; each CPU supports 8 DIMMs, supports RDIMM/LRDIMM/Optane™ PMems; supports up to 1 TB (64 GB per DIMM); supports up to 128 GB per Optane™ PMems
Storage	Each front node supports up to 12*3.5" hard drives or 25*2.5"hard drives; Each rear node supports up to 2*2.5" hard drives or 2 SATA M.2 SSDs (The maximum number of supported hard drives is configuration-specific)
Storage Controller	SATA controller on motherboard, supports RAID 0/1/5/10; NVMe controller interface on motherboard configurable with Intel NVMe RAID key
Network port	1 Gb dual RJ45 network port on motherboard
I/O expansion slot	Expands up to 4 standard PCIe x8 slots and 1 PCIe x16 slot; expands up to 2 standard PCIe x16 slots
Ports	Front: 1 USB2.0 port, 1 USB3.0 port, 1* VGA port, 1* UID indicator and button Rear: 2 USB3.0 port, 1 VGA port, 1 1 Gb management port, 1UID indicator and button Built-in: 2 USB3.0 port
Fan	4 centrally located cooling fans
Power supply	Supports 2* 550W/800W/1300W PSUs (platinum), 1+1 redundancy
System Management	The onboard BMC management module supports IPMI, SOL, KVM Over IP, and virtual media, and provides 1 external 1 Gb RJ45 network port
Operating system	Supports Windows/ Red Hat/ SUSE/ Centos/ Debian/ XenServer/ Oracle Linux/ ESXi/ Ubuntu etc.
Size	447mm (W) x 87mm (H) x 720mm (D)
Weight	Less than 27 kg at full load, please refer to the technical white paper for further details
Operating temperature	5℃~35℃ (please refer to the technical white paper for more details)

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