



Inspur NF5280M5

2-Socket Flagship Server for next generation datacenter

Integrated with the latest Intel Xeon Scalable Processor, NF5280M5 is a high-end 2S server designed for datacenters and application optimization. It is designed for an ultra-high-level performance of computing and storage, and for future expansions, providing an ideal platform for IT applications such as cloud computing, big data, deep learning, etc.

Extreme Performance

Supports the latest Intel Xeon Scalable processor with up to 28 cores (56 threads) for each processor and up to 24 DDR4-2666 memories with max 3TB capacity.

Provides All-Flash Configuration with 24 hot swap NVMe SSD delivering up to 1500+ IOPS for each server, achieving tremendous improvement in storage performance.

Flexible Configuration

Supports up to 20*3.5" or 38*2.5 disks and 2 internal M.2 disk, achieving 1.67 times storage capacity improvement comparing with the previous generation.

Provides OCP and PHY NIC with a variety of options such as 1G, 10G, 25G and 40G, enabling agile network configuration for various applications. Support up to 10 PCIe 3.0 slots, fulfilling the system functions and performance requirements of top customers.

Intelligent and secure Management

Offers real-time status monitoring of server, provides smart failures isolation and restoration. Integrated with open management protocol, supporting Inspur InCloud Manager Kit, simplifying the deployment, management and maintenance for large-scale datacenter.

Supports TPM2.0 Security Kit, providing security and credibility measurement by establishing chain of trust in both software and hardware level such as BIOS, memory, disk, operation system and application, achieving real-time detection of malicious intrusion and facility replacement.

Components	Specification
Processor	
Type	Intel Xeon Scalable Processor (Platinum, Gold, Silver, Bronze)
Quantity	2
Memory	
Type	DDR4 Registered, LR DIMM, NVDIMM, Apache Pass
DIMMs	24
Capacity	Max 3.0TB
I/O interface	
USB	2 front USB ports, 2 rear USB ports, 2 internal USB ports
Display	1 front VGA port 1 rear VGA port
Serial port	1 rear serial port
UID indicator	1 UID indicator
NIC	
Controller	OCP 25Gb, 1/2 port or PHY 1Gb/10Gb/40Gb, 2/4 port
Management	
System management	Onboard BMC management module, support IPMI, SOL, KVM Over IP, virtual media, etc. Provides one 1Gb RJ45 management port (supports NCSI feature)
PCIe expansion	Up to 10 standard PCIe 3.0 slot Up to 4 GPUs
Disks	
Type	SAS, SATA, M.2, U.2
Drive bay	Front: up to 12*3.5" or 24*2.5" disks Internal: up to 4*3.5" disk and 2*M.2 disks Rear: up to 4*3.5" + 4*2.5" disks or up to 10*2.5 disks
RAID support	RAID 0, 1, 3, 10, 1 ^E , 5, 50, 6, 60 Supports Cache protection, RAID migration, etc.
External Drive	
optical drive	Support USB optical drive
TF card	Support internal Micro SD card
Operation System	
OS	Microsoft Windows Sever, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, CentOS, VMware ESXi, etc.
Power Supply	
PSU	Single or dual PSU, supports 1+1 redundancy
Physical Specification	
Dimension	435mm(W) × 87mm(H) × 800mm(D)
Weight	<31 kg at full configuration
Environment	
Operating Temperature	5°C-45°C

As a leading Datacenter and Cloud Computing Total Solutions and Service Provider, Inspur is dedicated to provide complete solution in all levels. With high-end servers, mass storage, cloud operating system and information security technology, Inspur offers cloud computing, big data, deep learning infrastructure platform for its customers, supporting building of smart government, and enterprise cloud and vertical industry cloud. etc.

