

NF5280M5

Flagship 2S server optimized for large-scale datacenter



Integrated with newly Intel Xeon Scalable Processor, NF5280M5 is a high end 2S server designed for datacenter and application optimization. This product delivers Ultra design in performance, storage, expansion, providing an ideal platform for IT application such as cloud computing, big data, deep learning, etc.

Peak Performance

Support for newly Intel Xeon Scalable processor with up to 28 cores and 56 threads for each processor and up to 24 DDR4-2666 memories with max 3TB capacity.

Provide all flash configuration with 24 hot swap NVMe SSD delivering up to 1500+ IOPS for each server, achieving tremendous improvement in storage.

Agile Configuration

Support up to 20*3.5" or 38*2.5 disks and providing two internal M.2 disk, achieving 1.67x storage capacity comparing with previous generation.

Provide OCP and PHY NIC with a variety of options such as 1G, 10G, 25G and 40G, providing agile network types for application

Support up to 10 PCIE 3.0 slots, fulfilling the requirement of system functions and performance for top customers.

Management & Security

Perform real-time monitor of machine running status, providing smart isolation and restoration for failures. Integrated with open management protocol, supporting for Inspur InCloud Manager kit, simplifying the deployment, management and maintenance for customer, optimized for large-scale datacenter management

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

Processor	
Type	Support up to two newly Intel Xeon Scalable Processor(Platinum, Gold, Silver, Bronze)
Memory	
Type	DDR4 Registered, LRDIMM, NVDIMM, Apache Pass
DIMM	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 PHY 1Gb/10Gb,2/4 port
Management	

System management	Onboard BMC management module, support IPMI, SOL, KVM Over IP, virtual media, etc. Provide one 1Gb RJ45 management port (support NCSI feature)
PCIE expansion	Up to 10 standard PCIE slot
	Up to 4 GPUs
Disk	
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 disk
	Rear: up to 4*3.5"+4*2.5" disks or up to 10*2.5 disks
RAID support	Support RAID0, 1, 3, 10, 1E, 5, 50, 6, 60. Support 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, support 1+1 redundancy
Physical specification	
Dimension	435mm(W)×87mm(H)×800mm (D)
Weight	Full configuration: <31kg
Environment	
Operating	5℃-45℃

For more information, please visit <http://en.inspur.com/>



A leading overall solution and service provider of cloud computing, Inspur is dedicated to providing total solution in all levels. With high-end servers, mass storage, and 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

