

## INSPUR NF5280M5 SERVER

Ultimate Data Center 2-socket Rack Server



Inspur NF5280M5 is a 2U 2-socket rack-mounted server based on the new generation Intel® Xeon scalable processor, optimized for the demand of data center applications. NF5280M5 applies ultimate design concept to provide better performance, scalability and storage, which is particularly suitable for applications such as cloud compute, big data and deep learning.

### Features

#### Ultimate Performance

NF5280M5 supports the new generation Intel® Xeon® Scalable processors, with up to 28 cores and 56 threads per CPU, up to 24\*DDR4-2666 memories.

24\* hot-swap NVMe SSDs full-flash configuration brings 15 billion + IOPS, huge leap on storage.

Supporting up to 4 dual-width GPUs or 8 single-width GPUs. Single GPU provides 20 trillion FLOPS which brings more feasibility for deep learning applications.

#### Profound Configuration

Supporting up to 20\* 3.5" hard drives or 31\* 2.5" hard drives in addition to 2\* M.2 hard drives to implement massive storage, which is 1.5 times larger than former generation.

Supporting free combination of OCP and PHY network cards with different network interfaces to provide 1G, 10G, 25G and 40G flexible network configurations for different applications.

Supporting 9\*PCI-E3.0 slots, 1\*OCP/PHY PCIE slot, meeting the system and performance demand of high-end customers.

#### Intelligent Management and Security

Conducting real-time monitoring and intelligent isolation and recovering. It adopts open management protocol and INSPUR BMC, which simplifies deployment, management and maintenance, optimized for large scale DC.

Supporting TPM2.0 security control, it conducts trust chain between soft and hardware as BIOS, memory, hard drive, OS and applications to prevent illegal write or replacement from unknown firmware. Ensuring system safe and controllable.


**Parameter**

<b>Processor</b>	
Type	Supporting Skylake/Cascade Lake Intel® Xeon® Scalable Processor 1/2 (Platinum, Gold, Silver, Bronze)
<b>Memory</b>	
Type	DDR4 Registered, LR DIMM, AEP
Slots	24
Capacity	Single memory up to 128G
<b>I/O Interface</b>	
USB Interface	2* front USB interfaces, 2* rear USB interfaces, 2* internal USB interfaces
Display Interface	1* front VGA interface 1* rear VGA interface
Serial Interface	1* rear serial interface
UID Indicator Interface	1* UID indicator light and button (1*front, 1*rear)
<b>NIC</b>	
Network Controller	OCP 25Gb, 1/2 interfaces PHY 1Gb/10Gb, 2/4 interfaces
<b>Management</b>	
System Management	Onboard BMC management module, supporting IPMI, SOL, KVM Over IP, virtual media and other management features; providing one 1Gbps RJ45 management interface (supporting NCSI)
PCIe Scalable slot	Supporting 9*PCI-E3.0 slots, 1*OCP/PHY PCIe slot
	Supporting up to 4 dual-width GPUs or 8 single-width GPUs
<b>Hard Drive</b>	
Interface Type	SAS, SATA, M.2, U.2
Quantity	Front: up to 12*3.5" / 25* 2.5 hard drives Internal: up to 4*3.5" and 2* M.2 SSDs Rear: up to 4*3.5" + 4*2.5" hard drives
RAID	RAID0, 1, 3, 10, 1E, 5, 50, 6, 60 Cache super capacitance protection, RAID removal and configuration memory
<b>External Storage Drive</b>	
CD-ROM	External USB drive
TF Card	Internal Micro SD card
<b>OS</b>	
OS	Microsoft Windows Sever, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, CentOS, VMware ESXi
<b>PSU</b>	
Model	Single / Dual PSU, 1+1 redundant
<b>Physical Specification</b>	
Dimension (W×H×D)	435mm×87mm×779.5mm
Weight	Full configuration <31kg
<b>Environment</b>	
Working Temperature	5°C ~ 45°C