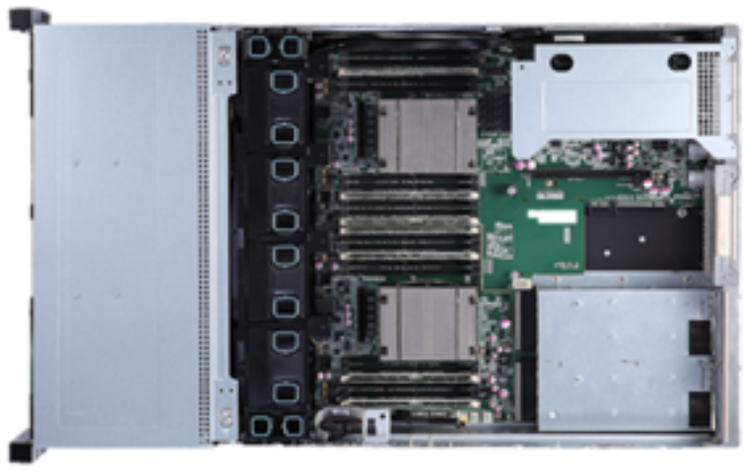
Inspur NF5280M4 2U Enterprise Rackmount Server

Inspur NF5280M4 enterprise server platform supports dual Intel® Xeon® E5-2600 / E5-2600 V3 processors and 24 DDR4 DIMMs, ideal for storage server, GPU server, data mining, Big Data, Hadoop, Open Stack, distributed file system server, ERP database, virtualization, VSAN and enterprise cloud applications.

Build a more secure cloud with Intel Technology.



Flexible Configurations for Enterprise Storage and High Performance GPU Applications

Inspur NF5280M4 can be configured with 25 hot-plug 2.5” bays with expander backplane, or 24 hot-plug 2.5” bays with Direct Attached Backplane, or 12 hot-plug 3.5” bays for SATA/SAS HDDs or SSDs; all configurations have option to add up to 4 hot plug 2.5” bays in the back of the system, offering the flexibility to customize for disk performance or greater storage capacity.

NF5280M4 can also be configured with 2 GPU cards optimized for financial modeling, oil and gas, life science, automotive rendering and supercomputing applications. Flexibility of the server design provides one platform for multiple applications for the best investment.

Complete Tool-less Design, Superior Workmanship, Energy Efficient Design

Inspur NF5280M4 has a completely tool-less and modular design with great attention to quality and detail. The entire server can be built without using tools: All components in the system including the motherboard, backplanes, fans, add on cards can be installed without using tools for easy maintenance. The chassis has smooth edges throughout. The drive trays for the 3.5” bays have mounting holes for installing 2.5” drives, allowing the server to be configured with a combination of 3.5” disks as well as 2.5” SSDs for applications that need both storage capacity and high IO throughput.

Platinum and titanium level power supply options are available, supporting PMBUS and Intel's latest NM3.0 technology. Inspur thermal design optimizes air flow control using the latest PID technology to effectively dissipate heat, control and reduce system noise, which significantly increases product durability and reliability and significantly reduce system power consumption.

Who is Inspur?

Inspur Systems Inc., located in Fremont, CA, is part of Inspur Group, a leading Cloud Computing and global IT Solutions Provider founded since 1945. Inspur has three listed companies publicly traded since 1998: Inspur Information, Inspur Software and Inspur International. The three business groups – Systems & Technology, Software & Service and Semiconductor – provide IT products and services for over 85 countries in the world. Inspur is ranked by Gartner as the Top5 largest server manufacturer in the world and Top1 in China. Inspur provides our global customers with data center servers and storage solutions which are Tier1 quality and performance, energy efficient, cost effective and built specific to actual workloads and data center environments. Inspur is the majority server vendor for Alibaba and Baidu worldwide datacenters.

Our Rackscale server platform, Inspur SmartRack, is the best choice for hyperscale datacenter and cloud deployments. The fastest Supercomputer in the world - Milky Way2 - is built by Inspur and consistently maintains the Top1 spot on Top500 list since 2013. As a leading total solutions and services provider, Inspur is capable of providing total solutions at IaaS, PaaS and SaaS level with high-end servers, mass storage systems, cloud operating system and information security technology.system and information security technology.

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Model	NF5280M4
Photo	Support 2 Intel®Xeon®E5-2600V3 or V4 Processors
Chipset	Intel ®C612 server chipset
Memory	24 Memory slots; support DDR4 ECC Registered Memory Support advanced memory error correction, mirroring, hot standby and other advanced features
Hard Disk Controller	Onboard SATA 6Gb disk controller through Intel PCH
Raid	Optional 6Gb or 12Gb SAS disk controller supports RAID 0/1/10; can be upgraded to support RAID 5, 50 Optional high-performance SAS RAID controller with cache to support RAID 0/1/5/6/10/50/60 with optional super cap
Storage	Option 1: 24 hot-plug 2.5” SATA/SAS HDDs or SSDs/3x 8-port Direct Attached Backplanes Option 2: 25 hot-plug 2.5” SATA/SAS HDDs or SSDs/Expander Backplane Option 3: 8 or 12 hot-plug 3.5” SATA/SAS HDDs or SSDs/Expander BP For all configurations, option to 1. Add up to 4 hot swap 2.5” bays for HDDs/SSDs (rear) 2. Support for 4 NVMe SSDs for all configurations
I/O Expansion Slot	Up to 7 PCI-e Slots using risers: CPU0 supports 3x PCI-Ex8 or 1x PCI-Ex16 + 1x PCI-Ex8 CPU1 supports 3x PCI-Ex8 or 1x PCI-Ex16 + 1x PCI-Ex8 1x PCI-Ex8 Mezzanine slot for dual port 10G SFP+ or 10G-BaseT daughter card Support up to 2 GPU cards
Integrated I/O Port	Front: 1 USB port; 1 standard VGA interface Rear: 2 USB interfaces; 1 standard VGA interface Internal: 2 USB ports and 1 internal serial port
Network Controller	Onboard dual ports 1Gb I350 controller; support virtual acceleration, network acceleration, load balancing, redundancy and other advanced features
Power Supply	Platinum or titanium power supply options Single or dual redundant power supplies
Management	Onboard Aspeed 2400 BMC chipset; support IPMI2.0, KVM over IP, virtual media and other advanced management featuresmanagement features
Supported Operating Systems	Microsoft Windows Server 2012 R2 Microsoft Windows Server 2012 64bit Red Hat Enterprise Linux6 U4 32/64bit Red Hat Enterprise Linux6 U5 64bit SuSE Linux Enterprise Server 11 SP3 64Bit Different operating systems are supported in different configurations. Consult with
Environmental Temperature	10°C -- 35°C 5°C -- 45°C(customized configuration available)
Input Voltage	110-240V
Safety Certifications	FCC, UL, CE, CCC, CU
International Certification	ISO9000 International Quality Management System ISO14001 International Environment Management System
Chassis Dimensions	3.43”(H), 17.6”(W), 28.35”(D) / 87mm(H), 447mm (W), 720mm (D)
Reference Weight	35kg / 78 lbs

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