Inspur NF5270M4 2U Rackmount Server

Inspur NF5270M4 server platform supports dual Intel® Xeon® E5-2600 / E5-2600 V3 processors and 20 DDR4 DIMMs, ideal for storage server, data mining, Big Data, Hadoop, Open Stack, small and medium-scale database, virtualization, VSAN and high performance distributed file systems

» Flexible Storage Configurations, Superior Mechanical Design and Workmanship

Inspur NF5270M4 can be configured with 16 or 24 hot-plug 2.5" bays, 8 or 12 hot-plug 3.5" bays for SATA/SAS HDDs or SSDs (all configurations have option to add 2 hot plug 2.5" bays in the back of the system). The wide range of configuration options offer the flexibility to customize for disk performance or greater storage capacity. NF5270M4 has a tool-less and modular mechanical design with great attention to quality and detail.

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" rotating disks as well as 2.5" SSDs for applications that need both storage capacity and high IO throughput. Flexibility of the server design provides one platform for multiple applications to optimize cost and protect investment.

» Scalable IO Options, High Performance, Energy Efficient Design

Inspur NF5270M4 provides 6 PCI-e slots (3 x16 + 3 x8) for upgradability and scalability; one of the slots is a x8 mezzanine slot for adding a dual port 10G SFP+ card or dual port 10G-BaseT card. NF5270M4 also supports turbo boost and overclocking for user applications which require higher performance. Multiple platinum and titanium 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 when coupled with a platinum-level high efficiency power supply.

» 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.

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Model	NF5270M4
Photo	Support 2 Intel®Xeon®E5-2600v3 Processors
Chipset	Intel ®C612 server chipset
Memory	20 Memory slots; support DDR4 ECC Registered Memory Support advanced memory error correction, mirroring, hot standby and other advanced features
Hard Disk Controller	Optional 8-channel SAS 6Gb/12Gb disk controller
Raid	Onboard SATA controller from PCH Optional 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 Option 2: 16 hot-plug 2.5" SATA/SAS HDDs or SSDs+optional DVD-ROM Option 3: 8 hot-plug 3.5" SATA/SAS HDDs or SSDs+optional DVD-ROM Option 4: 12 hot-plug 3.5" SATA/SAS HDDs or SSDs Optional 2 hot swap 2.5" bays for HDDs/SSDs (rear) for all configurations.
I/O Expansion Slot	6 PCI-E slots: 3 PCI-E x16, 3 PCI-E x8 HHHL (one of the x8 slots is a mezzanine slot for dual port 10G SFP+ daughter card or dual port 10G Base-T daughter card) Both CPUs need to be populated for all slots to work. Support up to 1 PCI-E 3.0 x16 and 2 PCI-E 3.0 x8 when only one processor is populated.
Integrated I/O Port	Front: one USB port; one standard VGA interface Rear: two USB interfaces; one standard VGA interface Internal: two USB ports
Network Controller	Onboard dual ports 1Gb I350 controller; support virtual acceleration, network acceleration, load balancing, redundancy and other advanced features
Power Supply	Support platinum/titanium power supply Single or dual redundant power supplies
Onboard Graphics	Integrated display controller with 16MB cache
DVD Drive	8x3.5" and 16x2.5" models can be configured with optional DVD-RW drive.
IPMI Management	Onboard Aspeed 2400 BMC chipset; support IPMI2.0, KVM over IP, virtual media and other advanced management features
Management Features	Support management and deployment software
Supported Operating Systems	Microsoft Windows Server 2012 R2 Microsoft Windows Server 2012 64 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 Inspur for details.
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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Inspur Systems Inc. 3347 Gateway Blvd, Fremont, CA 94538
Website: www.inspursystems.com
Tel: 1-800-697-5893
Email: usasales@inspur.com