



# Inspur NF5180M4 1U Enterprise Rackmount Server

Inspur NF5180M4 1U Enterprise Server supports dual Intel® Xeon® E5-2600 / E5-2600V3 processors and 24 DDR4 DIMMs. This powerful server is ideal for enterprise cloud application, distributed file system server, ERP and small and medium-scale database, virtualization and high end enterprise applications.



Build a more secure cloud with Intel Technology.



## > Flexible Storage Configuration Options, Enterprise Performance

Inspur NF5180M4 can be configured with 10 hot-plug 2.5" bays or 8 hot-plug 2.5" bays plus optional DVD-ROM. NF5180M4 also offers the unique design of having 4 hot-plug 3.5" SATA/SAS bays plus 2 hot plug 2.5" bays in the front for SSDs.

Up to 4 NVMe drives can be installed to improve throughput gains and performance.

## > Scalable IO Options, Energy Efficient Design

Inspur NF5180M4 enterprise grade design offers 3 PCI-e add on card slots for configuring the server to scale for multiple applications. The x8 mezzanine slot offers choices to upgrade IO configuration with 10G SFP+ or 10G-BaseT. 2 PCI-e x16 full height slots are available to improve IO performance through use of flash cards such as Fusion IO. Multiple general and platinum power supply options are provided, supporting PMBUS and Intel's latest NM 3.0 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.



## > Inspur NF5180M41U Rackmount Server

<b>Model</b>	NF5280M4
<b>Photo</b>	Support 2 Intel®Xeon®E5-2600v3 Processors
<b>Chipset</b>	Intel ®C612 server chipset
<b>Memory</b>	24 Memory slots; support DDR4 ECC Register Support advanced memory error correction, mirroring, hot standby and other advanced features
<b>Hard Disk Controller</b>	Onboard SATA 6Gb disk controller through Intel PCH
<b>Raid</b>	Optional high-performance SAS RAID controller with cache to support RAID 0/1/5/6/10/50/60 with optional Supercap
<b>Storage</b>	Option 1: 10 hot-plug 2.5" SATA/SAS bays for HDDs or SSDs Option 2: 8 hot-plug 2.5" SATA/SAS bays for HDDs or SSDs + optional DVD-ROM Option 3: 4 hot-plug 3.5" SATA/SAS bays + 2 hot-plug 2.5" bays for SSD Optional support for 4 NVMe SSDs for all configurations
<b>I/O Expansion Slot</b>	Supports 3 PCI-E slots: 2x PCI-Ex16(FHHL) via riser card 1x PCI-E x8 mezzanine slot with option for dual port 10G SFP+ or 10G-BaseT Both CPUs need to be populated for all slots to work
<b>Integrated I/O Port</b>	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
<b>Network Controller</b>	Onboard dual ports 1GbE Intel I350 controller Support virtual acceleration, network acceleration, load balancing, redundancy and other advanced features
<b>Power Supply</b>	Support platinum/titanium power supply; 1+1 redundancy optional; support PMBUS
<b>Management</b>	Onboard Aspeed 2400 BMC chipset; dedicated RJ45 LAN port for out of band management; support IPMI2.0, KVM over IP, virtual media and other advanced management features
<b>Supported Operating Systems</b>	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
<b>Environmental Temperature</b>	10°C -- 35°C 5°C -- 45°C(customized configuration available)
<b>Input Voltage</b>	110-240V
<b>Safety Certifications</b>	FCC, UL, CE, CCC, CU
<b>International Certification</b>	ISO9000 International Quality Management System ISO14001 International Environment Management System
<b>Chassis Dimensions</b>	1.73"(H), 17"(W), 28.74"(D) / 44mm(H), 430mm (W), 730mm (D)
<b>Reference Weight</b>	26kg / 57 lbs