

Inspur Server NF5270M4 Brochure

Inspur Yingxin Server NF5270M4

Flexible, efficient and practical dual-socket 2U rack-mount server

Product Positioning

Inspur Yingxin server NF5270M4 is based on Intel® Xeon® E5-2600V3/V4 series processors

Based on modular design, it provides customers with a high performance, high reliability, low power consumption, and optimal heat dissipation

The NF5270M4 is a 2U dual-core server that is ideal for both enterprise-level data centers and developing enterprise applications.

Both can provide a variety of flexible configuration options to better meet customers' growing server needs.

Target Users

Large industries, enterprises and government users who have high requirements for stability and practicality

Product Features

Stable and reliable MTBF over 5 years

The stable and innovative bottom layer design, combined with precise airflow guidance and fan adjustment mechanism, creates

NF5270M4 is stable and reliable. After actual testing, NF5270M4 MTBF exceeds 5 years.

Provide users with a stable and reliable business platform.

Comprehensively improve system performance

Based on Intel's latest platform, the E5-2600V4 series processor has more cores than the previous one.

With high-speed cache, the maximum frequency reaches 2400MHz, greatly improving processor performance.

In terms of memory, it uses the latest DDR4 memory technology, which can support a maximum total capacity of 2.5TB. Higher density and larger capacity provide better performance for enterprise virtualization and business processing.

Better support for hierarchical storage

Supporting up to 24 2.5-inch or 12 3.5-inch front hot-swappable hard disks and 4 rear 2.5-inch hot-swappable hard disks, it can provide a variety of storage solutions for enterprise applications, such as large-capacity hard disk pools, hierarchical storage, and distributed storage.

Application Examples

Data storage, big data processing, virtualization, etc.



Product Specifications

model	NF5270M4
processor	Supports 2 Intel® Xeon® processor E5-2600V3/V4 series
Cache	10M-50M
QPI bus rate	6.4GT/s-9.6GT/s
Chipset	Intel® C610 Server Chipset
Memory	20 memory slots, supporting memory types DDR4 ECC DDR4 RDIMM/LRDIMM, up to 2400 memory, maximum expandable to 2.5TB memory (when using a single 128GB memory stick)
Hard disk controller	onboard SATA 6Gb hard disk interface
RAID	Optional configuration of external SAS disk controller or high-performance SAS RAID controller with cache and expandable cache protection module
storage	The front window supports up to 24 hot-swappable 2.5-inch or 12 3.5-inch SATA/SAS hard disks. The rear window supports 4 hot-swappable 2.5-inch SATA/SAS/SSD rear hard disks.
I/O expansion slots	The motherboard supports 6 PCI-E 3.0 slots
Integrated I/O ports	Front: 1 USB 3.0 interface (compatible with 2.0), 1 standard VGA interface (supports external LCD liquid crystal management module) Rear: 2 USB 3.0 interfaces (compatible with 2.0), 1 standard VGA interface Built-in: 2 USB 3.0 interfaces (compatible with 2.0)
Network Controller	The motherboard integrates dual Gigabit high-performance Ethernet controllers, supporting advanced functions such as virtualization acceleration, network acceleration, load balancing, redundancy, etc. There is also a Gigabit independent management network port, supporting remote power on/off, restart, network installation of operating system, etc.
power supply	Supports platinum/titanium power supply, optional 1+1 redundancy, and PMBus function
Accelerator Card	Support FPGA hardware acceleration engine
The hardware diagnosis function	can diagnose and alarm the faults of key components such as host CPU/memory/hard disk/network card/fan/temperature/power supply
	Able to independently display hard disk failure, system operation failure, fan and temperature failure, and network failure



Management Features	<p>Integrates self-developed system BMC management chip, supports IPMI2.0, NM3.0, SNMP3.0 standards, provides Web-based remote management control, equipped with hardware monitoring, remote management function, IKVM function, remote KVM function independent management port is fully compatible with Gigabit or 100M switching network, remote power on/off, restart, network installation of operating system and other operations can be achieved through the management port Supports Inspur Ruijie series server management, deployment software, power supply FW can be updated online under OS, supports BMC hard restart function, fan, power supply, temperature monitoring function, remote power on/off, sequential restart, firmware update, error log collection and other functions, support visual display of system operation status</p>
Supported operating systems	<p>Windows Server 2008 R2Windows Server 2012 R2Windows Server 2012 x64</p> <p>Red Hat Enterprise Linux 6 U4 32Bit; Red Hat Enterprise Linux 6 U4 64Bit; Red Hat Enterprise Linux 6 U5 64Bit; SuSE Linux Enterprise Server 11 SP3 64Bit Citrix XenServer 6.2.0; Vmware5.5 Supports mainstream 64-bit and 32-bit operating systems. The operating system support capabilities vary under different configurations. Please consult Inspur for details. Working environment temperature 10°C~35°C</p>
Power	<p>supply voltage AC 110-240V, DC -40V to -60V, 180-400V</p>
International Certification	<p>ISO9001 international quality management system</p> <p>ISO14001 International Environmental Management System</p>
Chassis and cabinets	<p>The chassis is 87mm high, 447mm wide and 720mm deep, compatible with existing mainstream brand cabinets</p>
Reference weight:	<p>Gross weight 35.2kg (12-slot full configuration)</p>