

## Inspur NF5266M5 server

2U24 servers optimized for storage



The Inspur NF5266M5 is a 2U rackmount server with high storage density based on the latest Intel® Xeon® Scalable Processors. It is suitable for warm and cold data storage, distributed storage, large data storage, and the establishment of cloud storage pools. It is the optimum solution for massive data storage given the ever-changing architecture requirements of Internet, radio and television, financial, telecommunications, transportation, public security, medical, and educational applications.

### Product features

#### Large storage capacity

The NF5266M5 supports up to 24\* 3.5" hard drives and 4\* 2.5" hard drives, offering 50% higher storage density than conventional 2U12 servers.

It supports 4\* hot-swappable U.2 NVMe SSD and meets the requirements for quick data access in virtualization and distributed architecture applications.

#### Flexible scalability

Supports multiple RAID card/SAS card configurations according to user choice.

Supports SAS/SATA/NVMe hard drives to meet the requirements of data layering operations.

Supports 1 Gb/10 Gb/25 Gb/100 Gb network expansions to meet the requirements of various business and server room environments.

Supports a single PCIe 3.0 expansion slot, further enhancing I/O and network performance.

#### High computing power

The NF5266M5 is based on the next-generation Intel® Xeon® Cascade Lake series scalable processors; supports up to 2\* 24-core CPUs to meet the performance requirements of various business applications.

Supports 12\* 2933 MT/s DDR4 ECC memory (RDIMM/LDRIMM) and provides enhanced speed, excellent usability, and high capacity.

#### Applicability

Based on humanization designs, online maintenance can be achieved. The hardware design is optimized to achieve quick disassembly, further lowering the maintenance time and increasing operation availability.

All hard drives on the system are hot-swappable. The hard drives support RAID 0/1/1E/10/5/50/50/60, provide RAID CACHe, and support SuperCap power loss protection.

Optimal operating environment is achieved by integrating Inspur's unique intelligent control technology with an advanced cooling system, which also guarantees system operation stability and energy efficiency.

#### Intelligent management

The next-generation Inspur Server Baseboard Management Controller (iSBMC) system automatically performs management tasks to ensure the stable operation of the server.

The iSBMC platform is an Inspur-designed monitoring system that realizes real-time data collection and alerts.

## Product Specifications

Model	Description
Specifications	2U rackmount server
Processor	Supports 1*/2* Intel®Xeon®4100/4200/5100/5200/6100/6200/8200 series scalable processors; 2 UPI interconnected chains with maximum speed of 10.4 GT/s per chain, maximum L3 cache of 30.25 MB; maximum power of 165 W
Chipset	Intel C622 series
Memory	Supports up to 12 DIMMs; each processor supports 6 memory channels, maximum DIMM speed of 2933 MT/s Two processors support up to 12*64GB DIMMs, maximum capacity of 768GB Supports RDIMM, LRDIMM; DIMMS support ECC, memory mirroring, and memory rank sparing
Storage	Front nodes: Supports up to 24* 3.5" hard drives Rear nodes: Supports up to 4* 2.5" hard drives Internal nodes: 2* M.2 SSDs; supports SAS/SATA/SSD
Storage controller	SATA controller on motherboard, supports RAID 0/1/5/10; NVMe controller interface on motherboard configurable with Intel NVMe RAID key; supports multiple external RAID card/SAS card configurations according to user choice
Network port	The server supports 1* OCP card or 1* PHY card PHY: Supports 2*/4* cards at a 1 Gb/10 Gb network port configuration OCP: Supports 1*/2* cards at a 10 Gb/25 Gb network port configuration Standard PCIe Ethernet card: Supports 1/10/25/40/100 Gb
I/O expansion slot	Supports up to 4* standard PCIe slots and 1* OCP/PHY card slot Riser module 1 expands to 2* PCIe3.0 x16 ports Riser module 2 expands to 2* PCIe3.0 x8 ports
Ports	Front (chassis ports): 1* VGA port + 2* USB3.0 ports Rear: 1* VGA port + 2* USB3.0 ports + 1* RJ45 dedicated BMC management network port
Fan	5* hot-swappable N+1 redundancy fans
Power supply	Supports 2* 800W/1300W PSUs, 1+1 redundancy
System management	1* dedicated 1000 Gb network port for IPMI2.0 remote management.
Operating system	Supports Windows Server/ Red Hat/ SUSE/ Centos/ Oracle Linux etc.
Size	446mm (W) x 88mm (H) x 850mm (D)
Weight	Less than 60kg at full load, please refer to the technical white paper for further details
Operating temperature	5 C ~ 35 C