

Inspur NF5466M5 Server

New generation 4U dual socket rackmount server



The Inspur NF5466M5 is a 4U dual socket optimized rackmount server that uses the latest Intel® Xeon® Scalable Processors to provide excellent performance. With its cutting-edge design, the server boasts flexible and high-capacity local storage capabilities that can be applied to hot and cold data storage, video surveillance storage, big data storage, and cloud storage pool setups.

Product features

Mass storage

Supports up to 44 3.5" hard drives or 36 3.5" hard drives + 4 2.5" hard drives.

Supports up to 4 NVMe, providing cloud computing and Internet businesses with fast access to massive data.

Flexible storage

Hard disks can be managed using a single RAID card to facilitate cost optimization.

The server's multiple storage media make the server ideal for distributed storage architectures.

Excellent performance

Powered by the latest Intel® Xeon® Scalable Processors (supports up to 28-core high frequency CPUs).

Supports GPU to meet IVA scenarios.

High scalability

Multiple application scenarios can be combined in different

ways through the use of storage modules, I/O modules, network modules, and GPU modules, allowing users to flexibly select configurations that meet their business requirements.

Supports free switching of OCP network cards and PHY cards and a variety of OCP standard network interfaces (1Gb, 10Gb, 25Gb) to provide a more flexible network structure for applications.

Intelligent management

New generation ISBMC-Inspur server baseboard management system automatically executes management tasks to ensure stable server operations.

The independently developed ISPIM-Inspur infrastructure management platform is a monitoring system that collects real-time data and issues real-time alerts.

Bluetooth smart management app enables easy and efficient operations management.

Product Specifications

Model	Description
Specifications	4U rackmount server
Processor	Supports single and dual Intel® Xeon® 3100/4100/4200/5100/5200/6100/6200/8100/8200series scalable processors; supports up to 28 cores, maximum 3.8 GHz (4 cores) 2 UPI interconnected chains with maximum speed of 10.4 GT/s per chain, maximum power pf 165 W
Chipset	Intel C622 series
Memory	Supports up to 24 DIMMs; up to 2933 MT/s; maximum memory of 3 TB Supports RDIMM, LRDIMM; supports [modes include] ECC, memory mirroring, and memory rank sparing; Supports TB grade (12*) Intel® Optane™ Persistent Memory (Optane™ PMem)
Storage	Front nodes: Supports up to 24* 3.5" hard drives or 12* 3.5" hard drives + 12* 2.5" hard drives; Built-in: Supports up to 4* 3.5" hard drives, 2* M.2 SSD hard drives; Rear nodes: Supports up to 16* 3.5" hard drives or 12* 3.5" hard drives + 4* 2.5" hard drives Supports SAS/SATA/SSD (The maximum number of supported hard drives is configuration-specific)
Network port	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
I/O expansion slot	Supports up to 8* standard PCIe slots and 1* OCP/PHY card slot Riser module 1 expands to 3* PCIe3.0x8 ports Riser module 2 expands to 3* PCIe3.0x8 ports Riser module 3 expands to 2* PCIe3.0x8 ports
Ports	Front (chassis ports): 1* VGA port + 1* USB3.0 port + 1* USB2.0 port (can be connected to LCD) Rear: 1* RJ45 port + 1* VGA port + 1* USB3.0 port + 1* COM port (supports up to 2* double-width GPUs or 6* single-width GPUs)
Fan	4* hot-swappable N+1 redundancy fans (dual-rotor)
Power supply	Supports 1+1 redundancy, supports output power supplies of 800W/1300W and above
System management	1* dedicated 1 Gb network port for remote management
Operating system	Supports Microsoft Windows Server 2012/2016/SUSE Linux Enterprise Server 12/ Red Hat Enterprise 7/CentOS 7/Kylin 7.4 etc.
Mainframe size	483mm (W) x 175mm (H) x 819mm (D)
Weight	Less than 67kg at full load, please refer to the technical white paper for further details
Operating temperature	5℃~35℃