



NF5280M4

2U Enterprise Rackmount server

Product Highlights

NF5280M4 is a high-end 2U, 2-socket rackmount server developed based on further development of the Inspur new datacenter and application driven optimization technology. This product maintains the well-known high quality and high reliability of Inspur servers but, comparing with similar products, it also has the highest performance, ideal expandability and management features. Engineered for high efficiency, reliability, and expandability in a limited space, it is very capable to meet the high compute, storage and network performance requirements.

Key Features

- High efficiency
- Intelligent design
- Flexible expansion
- Optimization for new applications
- Secure and reliable

Feature	NF5280M4 Technical Specification
Form Factor	2U

Processor	2*Intel® Xeon® E5-2600 v3/v4 processors
Memory	24 memory slots, supporting DDR4-2400 memory and 3.0 TB memory to the maximum (when using memories with a single capacity of 128GB) Supports advanced functions, such as advanced memory error correction, memory mirroring and memory sparing.
Hard Disk Controller	8-channel 6Gb and 12Gb SAS disk controller are optional
RAID	Optional SAS disk controller Or cache-enabled high-performance SAS RAID controller and extensible cache power-off protection module
Storage	Front: supports 25 pieces 2.5" SATA/SAS-interface hard disks or solid-state disks at most Supporting 2.5*8, 2.5*16, 2.5*24 and 2.5*25 configurations Supports 12 front-set 3.5" hot-swap SATA/SAS-interface hard disks or solid-state disks at most, and supports 3.5*4, 3.5*8 and 3.5*12 configurations Rear: supports 4 pieces of 3.5" or 2.5" hot-swap SATA/SAS-interface hard disks or solid-state disks
I/O Expansion Slot	Supports a maximum of 8 standard PCI-E3.0 slots and 6 full length and full height cards
Integrated I/O Port	Rear: 2 USB 3.0 interfaces and 1 VGA interface; Front: 1 USB 3.0 interface and 1 VGA interface; Built-in: 2 USB 3.0 interfaces and 1 built-in serial port
Network Controller	Integrated dual Gigabit high-performance Ethernet controller supports virtualization acceleration, network acceleration, load balancing, redundancy and other advanced functions; supporting Inspur FLOM technology and providing various configurations including integrated dual Gigabit and dual 10 Gigabit
Power Supply	Effective redundant hot-swap power; standard platinum level, optional titanium alloy level, supporting PMbus and Node Manager 3.0 Optional hot-swap power interface
Graphics card	Display controller with 16MB integrated video memory.
GPU	Supports Nvidia K1/K20m/K40m/K80m/M60, etc.
CD-ROM	Optional external DVD-RW for USB interface configuration
Management function	Integrated system management chip supports IPMI2.0, KVM over IP, virtual media and other management functions.

	Also supports the latest management suite of Inspur smart server.
Fans	Hot-swap fan, supporting N+1 redundancy
Supporting operating systems	Windows 2012R2, Windows 2012, Windows 2008R2 64Bit, VMware 5.5, Citrix 6.2 64Bit, Solaris 11, SUSE Linux Enterprise Server 11 SP2 64Bit, etc. Capacity of supporting operating systems varies under different configuration. Refer to Inspur for details.
Official OS certification	Windows Server 2008/2008 R2/2012/2012 R2, Red Hat Enterprise Linux 7.0-7.x/6.5-6.x, VMware ESXi 6.0/5.5/5.5 u1/5.5 u2/5.1 u3, Citrix XenServer 6.5, NeoKylin Linux Server 6.0/6.5, SUSE Linux Enterprise Sever 11 SP3/11 SP4/12, Oracle Linux 7/Oracle VM 3.3; Refer to Inspur for details.
Work environment temperature	0°C-40°C The configuration supports high temperature 0°C-45°C, refer to Inspur for details.
Supply voltage	AC 110-240V, DC -40V to -60V, and 180-400V
International certification	CCC, CE, UL, FCC, CU
Case	W (width) 447mm; H (height) 87mm; D (depth) 720mm
Reference weight	25kg