

Inspur Server NF8480M5

High Expansibility Computing Platform for Critical Application Load



Inspur NF8480M5 is a high-end 4-Socket server based on the latest Intel® Xeon® scalable processor platform, with powerful computing capability, high scalability and excellent RAS features. It is an ideal choice for a wide range of key scenarios such as memory database, ERP, CRM, business intelligence analysis, large virtualization and data-intensive application.

Features

Optimal computation: The server supports Intel® Xeon® Scalable processors which implements the innovative “mesh” on-chip interconnect topology that delivers low latency and high bandwidth among cores, memory, and I/O controllers while improving the power efficiency. Intel Ultra Path Interconnect (UPI) links is used to achieve direct communication between processors.

It supports 48 DDR4 DIMMs with 50% memory expandability increase and 25% bandwidth increased, thus significantly reduces the system delay caused by frequent IOs.

It supports up to 12 NVMe SSDs, with maximum read performance of 3.5GB/s.

Stability and reliability:

It adopts the innovative E-SRA architecture with BMC software dual-level write protection, and independent BIOS refreshing through BMC, which ensures a safe and reliable firmware upgrade.

It leverages IMD enhanced memory protection and PCIe hot swap technology.

With its SCSA super current safety technology and the ultra-low impedance power supply, it has low line loss, high reliability, lower space occupation and higher maintenance efficiency.

Flexible expansion: Inspur NF8480M5 supports hierarchical storage schemes, with up to 24* 2.5"/3.5" hard drives, 12* U.2 NVMe SSDs and 2 built-in M.2 SSDs which can be used as OS boot drives, in order to satisfying storage requirements of different business scenarios. It supports 16 PCIe3.0 slots and 1 OCP slot. The PCIE bus resources allows flexible configuration, and support free switch between U.2 NVMe hard drive and PCIe expansion cards based on customer requirement.

Quick recovery:

The system adopts the new generation LIDS (optic channel diagnosis system) and DSFI (deep system failure insight) technology which can have real-time full access to underlying faults information, therefor greatly improving troubleshooting efficiency and accelerating the system fault recovery.

Product specification

Product model	NF8480M5
Form factor	4U Rack mount
Processor	It supports 2/4 new generation Intel® Xeon® scalable processor, TDP 205W
Chipset	Intel® C620 Series Chipset
Memory	Up to 48 DIMMs, with the maximum memory frequency up to 2933 MHz; it supports RDIMM/LRDIMM ,NVDIMM and Optane™ PMem
Storage	Up to 24*2.5/3.5-inch SAS/SATA Drives, up to 12*U.2 NVMe SSDs, 2 built-in M.2 SSDs, and soft RAID 0/1
Disk controller	It supports 12G RAID card, RAID0, 1, 10, 1E, 5, 50, 6, 60, etc., and also super capacitor Cache protection, and provides RAID status migration and RAID configuration memory
Expansion slot	Up to 16 PCIe3.0 and 1 OCP slot
Front I/O	2 USB 3.0 interfaces, 1 VGA interface, 1 RJ45 system serial port and LCD diagnostic display
Rear I/O	4 USB 3.0 interfaces, 1 VGA interface, 1 special MGMT port, 1 BMC diagnosis serial port and 1 system serial port
Network	Supporting 40-gigabit; OCP NIC card and OCP PHY card, and NCS for OCP A It supports network advanced characteristics including wake-up on LAN, network redundancy and load balancing
Management	It supports remote management control, such as IPMI2.0, KVM over IP, SOL and SNMP; 1 rear BMC special MGMT port and 1 BMC diagnosis serial port for off-line fault diagnosis
Safety	It supports TPM2.0
Operating system	Microsoft Windows Sever, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, CentOS, VMware ESXi, etc.
Working temperature	0°C ~40°C
Power supply	It supports full power grid AC inputs, 240/336V high voltage DC input and -48V low voltage DC input It supports platinum-level 550/800/1,300/1,600W CRPS power supply module, with and 1+1/2+1 /2+2/3+1 redundancy
Dimensions	448.0mm (W) * 175.5mm(H) * 812mm(D)
Working environment humidity	20%-80%RH

Inspur (Beijing) Electronic Information Industry Co., Ltd.

Website: www.inspur.com

Technical support and service hotline: 400-860-0011 or 0531-88546554 Purchasing hotline: 400-860-6708 or 800-860-6708 or 0531-88933376

The illustrations and descriptions given herein are for reference only. For detailed product specification and price, please consult with the Inspur local dealer.

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