

## Inspur NF5468M5

Most powerful and flexible GPU



### Product Features

#### Superior system computing power

Standard 4U 19-inch rack server, 830mm depth, 2 Intel® Xeon® scalable processors, TDP 205W, 3 UPI high-speed interconnections between CPUs, 24 DDR4 DIMMs, and 8 NVIDIA® NVLink™ interconnected GPU cards, or full-height full-length dual-width PCIe GPU card, or 16 Tesla P4/T4 cards.

#### Maximized GPU performance

Support NVIDIA® NVLink™-based Tesla® SXM2 V100/P100, NVLink2.0 interconnection, 300GB/s high-speed interconnection between GPUs, 4\*PCIEx16 uplink speed, breaks the bottleneck of interconnection between CPUs and GPUs, and is compatible with the latest V100 32G HBM2 version. These configurations double GPU data caching capability, and the larger Batchsize further enhances the performance of deep learning training.

Support 8 PCIe3.0 X16-based V100/P100/P40 GPUs, and 16 PCIe3.0 X16-based Tesla P4/T4 GPUs. PCIe convergence ratio is 4:1, which maximizes GPU performance.

Support 12 front 3.5-inch large-capacity hard disks, and 2 M.2 SSDs. The 8 hard disk slots support U.2 NVMe hard disk, providing efficient data reading and loading speed.

If configured with 16 Tesla P4/T4 cards, 24 3.5-inch hard drives can be equipped on the front side, providing large-capacity local storage for multi-channel video data.

#### Flexible configuration & high-speed IO

Support different topologies to promote the performance tuning of different AI applications.

2 interface types supporting multiple models of GPUs, 2 built-in standard RAID cards, 4 rear standard PCIe16 slots supporting 4 100G remote direct memory access (RDMA) high-speed networks.



## Specifications

Model	NF5468M5-S	NF5468M5-P	NF5468M5-V
Height	4U		
CPU	Support 1/2 × new generation Intel® Xeon® Scalable Processor, TDP 205W		
GPU	Support 8 × NVIDIA® Tesla® NVLink™ V100/P100 , with up to 4 × PCIe3.0 x 16 slot	Support 8 × FHFL dual-width PCIe V100/P100/P40 GPU, with up to 4 × PCIe3.0 x 16 slot, 12 × PCIe3.0 x 16 slot in total	Support 16 × Tesla P4/T4, with up to 4 × PCIe3.0 x16 slot, 20 × PCIe3.0 x16 slot in total
Chipset	Intel® C620 series chipset (Lewisburg-2)		
Memory	Support 24 DDR4, 2666MHz RDIMM		
PCIe card on board	Up to 2 × RAID cards on board		
Front I/O	2 USB 3.0, 1 VGA port, 1 RJ45 port		
Rear I/O	1 serial port 1 × VGA port 2 × USB 3.0 ports 1 × RJ45 management port 2 × 10G SFP+ Internet ports		
Storage	Support front 12 × 2.5/3.5 inch SAS/SATA hard disks, 4 × U.2 NVME SSD hard disks, 2 × M.2 SSDs on board	Support front 12 × 2.5/3.5 inch SAS/SATA hard disks, 8 × U.2 NVME SSD hard disks, 2 × M.2 SSDs on board	Support front 24 × 2.5/3.5 inch SAS/SATA hard disks, 4 × U.2 NVME SSD hard disks, 2 × M.2 SSDs on board
RAID support	Optional RAID0, 1, 10, 5, 50, 6, 60, etc. Support Cache super capacitor protection, provide RAID state transition and RAID configuration memory		
Operating system	Microsoft Windows Server, Red Hat Enterprise Linux, Ubuntu Linux, CentOS, etc.		
Radiator system	N+1 redundant fans		
PSU	4 × 1600W/2000W/2200W 80Plus Platinum PSUs , support 2+2 redundancy power supply		
Chassis	435mm width, 175.5mm height, 830mm depth		
Operating temperature	5 - 35°C / 41°F - 95°F		
Weight	≤70kg at full configuration		