INSPUR I24
OVERVIEW

Inspur i24

A New Generation of Data Center

High-Density 2U4N Sever

Inspur i24 is a high-end 2U4N rack-mounted server optimized for brand-new high-density data centers and applications. It supports 4x 1U 2-socket half-width node (NS5162M5) and each node is connected to the enclosure through the sideplane card. In the limited space, i24 achieves perfect functionalities: high-density, efficiency, reliability and intelligence. Meanwhile, excellent scalability makes it even suitable for virtualization infrastructures, HPC and cloud platforms.

Key Feature

High Density & Computing Performance

- The 2U enclosure supports 4x 2-socket half-width server nodes.
- Each node supports 2x New Generation Intel® Xeon® scalable processors (TDP up to 205W).
- Each node supports up to 16x 2666 MT/s DDR4 ECC and 1TB memory of excellent speed and availability. It also supports 2xNVDIMMs.

High Availability

- i24 supports up to 24x 2.5" or 12x 3.5" SAS/SATA HDD/SSDs for mass storage, and 24x hot-swap NVMe drives.
- 2x built-in SATA M.2 for OS installation.
- Each node supports 3x PCI-E slots and multiple network interface options for even flexible network.

High Reliability

- The entire i24 enclosure shares 2x 2000W redundant power supplies and the optimized PSU design is more efficient and energy-saving.
- i24 has 4x system fans in the middle of the enclosure. The unique intelligent control technology and the advanced air-cooling system construct the best working environment and ensure stable system operation.
- i24 supports encrypted TPM security chip to guarantee data and information system security.

High Maintainability

- Support IPMI2.0 and Redfish. Helps to fulfill complete remote system monitor, remote KVM, virtual media and all management tasks.
- With the CMC module, i24 supports united management of power supplies and fans within the enclosure and enables the access to the node monitoring information.

Tech Specs

Node Specs	
Processor	2x Intel® Xeon® Scalable processors (4100, 5100, 6100, 8100 series)
Chipset	C622/624
Memory	16x DDR4-registered_LR_DIMMs, up to 1.0TB (64GB per DIMM)
I/O Interface	SUV interface board (2x RS-232 + 1x VGA +2x USB 2.0)
DVD ROM	External USB Optical Disk Drive
Display Controller	Aspeed2500 COD, 64MB video memory, resolution up to 1280*1024
RAID Controller	Onboard SATA controller Inspur SAS 3008 (IT/IMR) support RAID 0,1,10,1E,5 Inspur SAS RAID 3108 (RAID 0,1,10,1E,5,6,10,50). 2G/4G cache and SuperCap options. LSI 9361-8i (RAID 0,1,1E,5,6,10,50). 1G/2G cache and SuperCap options.
NIC Controller	Support OCP/PHY, external PCI-E card
MIC	1x independent 1000Mbps NIC for remote control
PCI-E Expansion Slot	3x PCI-E slots: ▪ Riser card enables horizontal slots for half-width half-length card 2x Riser cards enable PCI-E x16 slot 1&2 (CPU0) ▪ 1x onboard OCP/ PHY slot
Internal Storage	2xSATA M.2 SSDs
Enclosure Specs	
Front Drive Bay (uniform distribution on 4xnodes)	▪ 2.5" NVMe backplane: support 24x hot-swap NVMe HDD/SSDs ▪ 2.5" NVMe+SAS backplane: support 24x hot-swap SAS/SATA/SSD/NVMe HDD/SSDs (up to 4xNVMe SSDs and 2x SAS/SATA HDDs per node) ▪ 3.5" backplane: support 12x hot-swap SAS/SATA HDD/SSDs
PSU	2x 2000W 80Plus Platinum power supplies, conditionally support 1+1 redundant (Depend on config.) 100-240V AC or 192-300V DC (Please refer to the value on the label.)
Fan	4x80mm system fans in the middle of the enclosure
Dimensions	2.5" enclosure: 446mm*87.5mm*805mm (width*height*depth) 3.5" enclosure: 446mm*87.5mm*845mm (width*height*depth)
Weight	2.5" (standard): 40.5kg n.w. /53kg (incl. enclosure+packbox+guiderail+accessory box) 3.5" (standard): 42.9kg n.w. /58kg (incl. enclosure+packbox+guiderail+accessory box)
Working Temperature	5℃~35℃

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※ For detailed specs and prices, please contact local distributors of Inspur.

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