

Inspur Rack Servers Data Sheet



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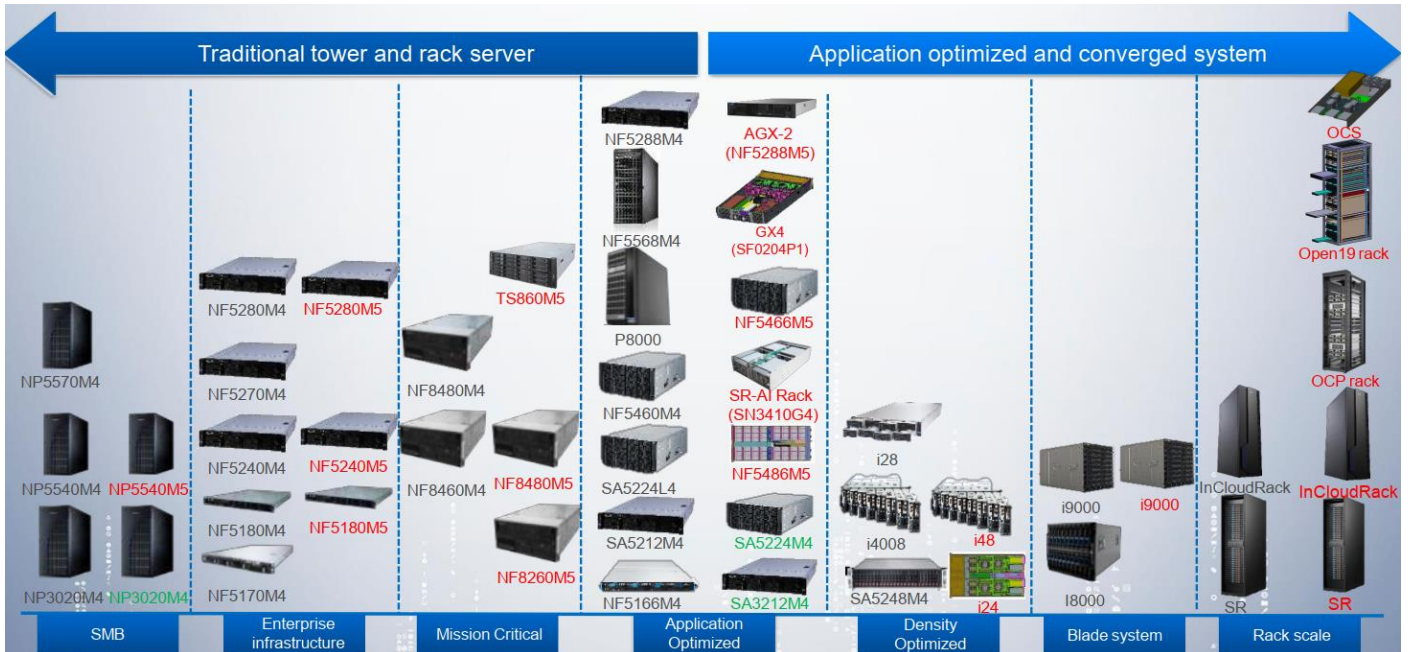
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OVERVIEW

[Inspur rack servers](#) are designed with full consideration of density, performance, efficacy and scalability. This series provides variety of models and highly flexible configurations and can satisfy different needs for processing capacity and storage capacity.

PRODUCT FAMILY

[Inspur](#) provides various servers, including [rack servers](#), [tower servers](#), [blade servers](#):



Customers can choose the right server according to different business.

4 DESIGNS CONCEPT OF INSPUR SERVERS

To design Inspur servers, there are 4 concepts:

Extreme

Break through space constraints, challenge design limits, and seek the best design balance between performance, density, reliability, and maintainability.

Flexible

Customizable Hardware following the need of different scenarios.

Intelligent

Automatic multidimensional management, to ensure system reliability and efficiency.

Optimum for secure and controllable cloud computing environment.

Open

Adopts Open and Green Concepts.

FEATURED INSPUR RACK SERVER

Excellent Computing Density NF5288M5

[NF5288M5](#), World highest density 8 NVIDIA NVLink GPU based AI Supercomputer

- 2 × Intel Xeon Scalable Processor
- 8 × NVLink GPU or PCIe GPU
- 16 × DDR4-2666
- 3000W 1+1 PSU



Model	NF5288M5
Form Factor	2U
Chipset	Intel® C624 chipset
Processor family	2 Intel Xeon Scalable processors, TDP up to 165W
Processor core available	Maximum 28-core per processor
Processor speed	3.6 GHz, maximum depending on processor
Processor cache	38.5 MB L3 cache
GPU	8 SXM2 GPU with NVLink 8 x SXM2 GPU on NVLink cube mesh with 2 x 96lane PCIe Switch, 4 x PCIe x16 HHHH Rear slot 8 PCIe GPU with PCIe Switch 8 x PCIe3.0 x16 double width GPGPU
Memory slot	16 DIMM slots
Memory type	RDIMMs, LDIMMs and Apache Pass

Excellent Storage Density NF5486M5

[NF5486M5](#), World highest density storage server

- 2 × Intel Xeon Scalable Processor
- 100 × 3.5 Storages
- 16 × DDR4-2666
- 2000W 1+1 PSU



Model	NF5486M5
Processor	2 Intel® Xeon® scalable processor and maximum TDP 105W
Memory	16 memory slots and maximum DDR4-2666 memory
Storage controller	Support 12Gb SAS controller
Storage	Support maximum 100* 3.5-inch hot plug SATA/SAS HDD and embedded 1 SATA M.2
I/O scaling	Supports 1 PCIe x16 half-height card, 1 OCP (A/B/C) Mezz card and 1 PCIe x16 MEZZ card
Network controller	Provide 1 OCP Mezz card (A/B/C) and support 25Gb/40Gb/100Gb
Power	Support 2000W efficient redundant hot plug power supplies

Component-level Flexible architecture - NF5280M5

[NF5280M5](#), Component-level Flexible architecture

- 24 × NVMe SSD
- 20 × 3.5 Drives
- 38 × 2.5 Drives
- 10 × Standard PCIe
- 4 × GPU
- 1 × OCP



Model	NF5280M5
Form Factor	2U
Chipset	Intel® C620 series chipset
Processor family	2 Intel Xeon Scalable processors, TDP up to 205W
Processor core available	Maximum 28-core per processor
Processor speed	3.6 GHz, maximum depending on processor
Processor cache	38.5 MB L3 cache
GPU	4* NVIDIA Tesla GPU (V100,P100,P4, P40)
Memory slot	24 DIMM slots, Capacity up to 1.5TB (64G x 24)
Memory type	RDIMMs, LDIMMs and NVDIMM
Memory protection features	ECC

Highly Scalable Platform - NF8480M5

[NF8480M5](#), Component-level Flexible architecture

- 4U 4-Socket
- 4 Intel Xeon scalable processors
- 48 DDR4-2666



Model	NF8480M5
Height	4U
CPU	2/4 new generation Intel® Xeon® scalable processor, TDP 205W
Memory	Up to 48 DIMMs, with the maximum memory frequency up to DC 2666MHz Supports RDIMM/LRDIMM and NVDIMM Supports ECC, mirroring and rank sparing
Storage	Up to 24*2.5/3.5-inch SAS/SATA drives Or 12* 2.5/3.5-inch SAS SATA drives + 12* NVMe SSDs at front panel 2 built-in M.2 SSDs Supports 2* TF cards
Disk Controller	Supports 12G RAID card, RAID0, 1, 10, 1E, 5, 50, 6, 60, etc., Capacitor Cache protection Provides RAID status migration and RAID configuration memory
Expansion	Up to 16 PCIe3.0 slots 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
Front I/O	2 USB 3.0 interfaces, 1 VGA interface, 1 RJ45 system serial port and LCD diagnostic display
Network	Supports 40-gigabit; the OCP NIC / OCP PHY card, and NCS for OCP A Supports MultiHost NIC card
Power Supply	Supports full power grid AC inputs, 240/336V high voltage DC input and -48V low voltage DC input Supports platinum-level 550/800/1,300/1,600W CRPS power supply module, and 1+1/2+1 /2+2/3+1 redundancy

Unique and Powerful 1U 2S server – NF5180M5

[NF5180M5](#), Unique and Powerful 1U 2S server

- 1U
- 1/2 full series of Intel Xeon scalable processors
- 24 DDR4-2666



Model	NF5180M5
Form Factor	1U
Chipset	Intel C622/C624 series chipset
Processor family	2 Intel Xeon Scalable processors, TDP up to 205W
Processor core available	Maximum 28-core per processor
Processor speed	3.6 GHz, maximum depending on processor
Processor cache	38.5 MB L3 cache
GPU	1 Compute Accelerator Card
Memory slot	24 DIMM slots, Capacity up to 1.5TB (64G x 24)
Memory type	RDIMMs, LDIMMs and NVDIMM

New generation High-density server – i24

[i24](#), New generation High-density server

- 2 × Intel Xeon Scalable processors
- 16 DIMMs – up to 2666MHz
- 1TB Memory



Model	i24 Node
Form Factor	2U
Chipset	Intel® C622/624 series chipset
Processor family	2 Intel Xeon Scalable processors
Processor core available	Maximum 28-core per processor
Processor speed	3.6 GHz, maximum depending on processor
Memory slot	16 DIMM slots, Capacity up to 1TB (64G x 16)
Memory type	RDIMMs, LDIMMs and NVDIMM
Memory protection features	ECC
Storage 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.

ORDERING INFORMATION

Model	Description
Inspur NF5180M5 4*3.5" Bays 3206R 16G 2TB SATA 2*GE 550W	Inspur NF5180M5 Configuration, 4*3.5" Bays 3206R 16G 2TB SATA 2*GE 550W Server
Inspur NF5180M5 4*3.5" Bays 4210 16G 2TB SATA 2*GE 550W	Inspur NF5180M5 Configuration, 4*3.5" Bays 4210 16G 2TB SATA 2*GE 550W Server
Inspur NF5180M5 10*2.5" Bays 4210 32G 600G SAS 2*GE 550W	Inspur NF5180M5 Configuration, 10*2.5" Bays 4210 32G 600G SAS 2*GE 550W Server
Inspur NF5270M5 4*3.5" Bays 3204 16G 2TB SATA 2*GE 550W	Inspur NF5270M5 Configuration, 4*3.5" Bays 3204 16G 2TB SATA 2*GE 550W Server
Inspur NF5270M5 4*3.5" Bays 3206R 16G 2TB SATA 2*GE 550W	Inspur NF5270M5 Configuration, 4*3.5" Bays 3206R 16G 2TB SATA 2*GE 550W Server
Inspur NF5270M5 12*3.5" Bays 3206R 16G 4TB SATA RS0820P 2*GE 550W	Inspur NF5270M5 Configuration, 12*3.5" Bays 3206R 16G 4TB SATA RS0820P 2*GE 550W Server

Inspur NF5270M5 8*2.5" Bays 3206R 16G 600G SAS 2*GE 550W	Inspur NF5270M5 Configuration, 8*2.5" Bays 3206R 16G 600G SAS 2*GE 550W Server
Inspur NF5270M5 25*2.5" Bays 3206R 16G 600G SAS RS0820P 2*GE 550W	Inspur NF5270M5 Configuration, 25*2.5" Bays 3206R 16G 600G SAS RS0820P 2*GE 550W Server
Inspur NF5280M5 4*3.5" Bays 4210 32G 4TB SATA 2*10GE+2*GE 550W	Inspur NF5280M5 Configuration, 4*3.5" Bays 4210 32G 4TB SATA 2*10GE+2*GE 550W Server
Inspur NF5280M5 4*3.5" Bays 4210R 32G 4TB SATA 2*10GE+2*GE 550W	Inspur NF5280M5 Configuration, 4*3.5" Bays 4210R 32G 4TB SATA 2*10GE+2*GE 550W Server
Inspur NF5280M5 4*3.5" Bays 4214 32G 4TB SATA 2*10GE+2*GE 550W	Inspur NF5280M5 Configuration, 4*3.5" Bays 4214 32G 4TB SATA 2*10GE+2*GE 550W Server
Inspur NF5280M5 12*3.5" Bays 4214 32G 8TB SATA 2G RAID 2*10GE+2*GE 550W	Inspur NF5280M5 Configuration, 12*3.5" Bays 4214 32G 8TB SATA 2G RAID 2*10GE+2*GE 550W Server
Inspur NF5280M5 8*2.5" Bays 4210 32G 600G SAS 2G RAID 2*10GE+2*GE 550W	Inspur NF5280M5 Configuration, 8*2.5" Bays 4210 32G 600G SAS 2G RAID 2*10GE+2*GE 550W Server
Inspur NF5280M5 8*2.5" Bays 4214 32G 600G SAS 2G RAID 2*10GE+2*GE 550W	Inspur NF5280M5 Configuration, 8*2.5" Bays 4214 32G 600G SAS 2G RAID 2*10GE+2*GE 550W Server
Inspur NF5280M5 8*2.5" Bays 5117 32G 480G SATA SSD 2G RAID 2*10GE+2*GE 550W	Inspur NF5280M5 Configuration, 8*2.5" Bays 5117 32G 480G SATA SSD 2G RAID 2*10GE+2*GE 550W Server
Inspur NF5280M5 8*2.5" Bays 5218 32G 600G SAS 2G RAID 2*10GE+2*GE 550W	Inspur NF5280M5 Configuration, 8*2.5" Bays 5218 32G 600G SAS 2G RAID 2*10GE+2*GE 550W Server
Inspur NF5280M5 25*2.5" Bays 4210 32G 600G SAS RS0820P 4*GE 800W	Inspur NF5280M5 Configuration, 25*2.5" Bays 4210 32G 600G SAS RS0820P 4*GE 800W
Inspur NF5280M5 4*3.5" Bays 4210*2 32G*2 1T U.2 NMMe (P4510) 2*10GE+2*GE 550W	Inspur NF5280M5 Configuration, 4*3.5" Bays 4210*2 32G*2 1T U.2 NMMe (P4510) 2*10GE+2*GE 550W Server
Inspur NF5280M5 AEP Configuration 5218 32G 4TB SATA 2*10GE+2*GE 550W	Inspur NF5280M5 Configuration, AEP Configuration 5218 32G 4TB SATA 2*10GE+2*GE 550W Server
Inspur NF8260M5 24*2.5" Bays 5117*2 32G*2 600G SAS 2G RAID 4*GE 800W*2 Rail	Inspur NF8260M5 Configuration, 24*2.5" Bays 5117*2 32G*2 600G SAS 2G RAID 4*GE 800W*2 Rail Server
Inspur NF8260M5 24*2.5" Bays 5218*2 32G*2 600G SAS 2G RAID 4*GE 800W*2 Rail	Inspur NF8260M5 Configuration, 24*2.5" Bays 5218*2 32G*2 600G SAS 2G RAID 4*GE 800W*2 Rail Server
Inspur NF8480M5 24*3.5"/2.5" Bays 5117*2 32G*2 2TB SATA 2G RAID 4*GE 800W*2 Rail	Inspur NF8480M5 Configuration, 24*3.5"/2.5" Bays 5117*2 32G*2 2TB SATA 2G RAID 4*GE 800W*2 Rail Server
Inspur NF8480M5 24*3.5"/2.5" Bays 5218*2 32G*2 600G SAS 2G RAID 4*GE 800W*2 Rail	Inspur NF8480M5 Configuration, 24*3.5"/2.5" Bays 5218*2 32G*2 600G SAS 2G RAID 4*GE 800W*2 Rail Server
Inspur NF8480M5 24*3.5"/2.5" Bays 5220*2 32G*4 600G SAS 2G RAID 4*GE 800W*2 Rail	Inspur NF8480M5 Configuration, 24*3.5"/2.5" Bays 5220*2 32G*4 600G SAS 2G RAID 4*GE 800W*2 Rail Server
Inspur NF5466M5 36*3.5" Bays 4210 32G 8TB SATA*13 RS0820P 2*10GE 800W*2 Rail	Inspur NF5466M5 Configuration, 36*3.5" Bays 4210 32G 8TB SATA*13 RS0820P 2*10GE 800W*2 Rail Server
Inspur NF5266M5 24*3.5" Bays 4210 32G 8TB SATA*3 2G RAID 2*10GE 800W*2 Rail	Inspur NF5266M5 Configuration, 24*3.5" Bays 4210 32G 8TB SATA*3 2G RAID 2*10GE 800W*2 Rail Server
Inspur NS5488M5 4U8N 4210*2 16G*2 600G SAS 2G RAID 4*GE PHY 1600W*4 Rail	Inspur NS5488M5 Configuration, 4U8N 4210*2 16G*2 600G SAS 2G RAID 4*GE PHY 1600W*4 Rail Server
Inspur NS5484M5 4U4N 4210*2 16G*2 240G SATA	Inspur NS5484M5 Configuration, 4U4N 4210*2 16G*2 240G SATA

SSD*1+2T SATA 2G RAID 4*GE PHY 1600W*4 Rail	SSD*1+2T SATA 2G RAID 4*GE PHY 1600W*4 Rail Server
Inspur NF5270M5 4*3.5" Bays 4210 16G 2TB SATA 2*GE 550W	Inspur NF5270M5 Configuration, 4*3.5" Bays 4210 16G 2TB SATA 2*GE 550W Server
Inspur AGX-2 AI Supercomputer	Inspur AGX-2 AI Supercomputer, 8*NVIDIA Tesla NVLink P100 or 8*PCIe P100/P40 GPU, 2*Intel Next Generation Xeon CPU, Up to 2TB 2667MHz DDR4 memory, 2*3000w PSU 80plus Titanium power supplies
Inspur Yingxin NF8460M5	Inspur Yingxin NF8460M5, 4 Intel Xeon scalable processors, 48 memory slots and maximum DDR4-2666 memory, standard platinum-class redundant hot-plug power supply
Inspur i24 Server	Inspur i24 Server, 2U, Intel C622/624 series chipset, 2 Intel Xeon Scalable processors, 16 DIMM slots, Capacity up to 1TB (64G x 16)
Inspur Yingxin NF5486M5	Inspur Yingxin NF5486M5, 2 Intel Xeon scalable processor and maximum TDP 105W, 16 memory slots and maximum DDR4-2666 memory, supports 2000W efficient redundant hot plug power supplies
Inspur NF5288M5 Server	Inspur Yingxin NF5288M5 Server, 2U Two-Socket, Intel C624 chipset, 2 Intel Xeon Scalable processors, 16 DIMM slots, Dual 3000W Platinum Power Supply
Inspur NF5280M5 Server	Inspur Yingxin NF5280M5 Server, 2U Two-Socket, Intel C620 chipset, 2 Intel Xeon Scalable processors, 24 DIMM slots, Capacity up to 1.5TB, Single or Dual Power Supply options , 550W/800W/1300W/1600W Platinum/Titanium AC power supply
Inspur NF5180M5 Server	Inspur Yingxin NF5180M5 Server, 1U Two-Socket, Intel C622/C624 series chipset, 2 Intel Xeon Scalable processors, 24 DIMM slots, Capacity up to 1.5TB, Single or Dual Power Supply options , 550/800/1300W AC platinum power supply
Inspur NF5460M4 Server	Inspur Yingxin NF5460M4 4U two-socket storage server, 2 Intel Xeon E5-2600 v4 processors, 20 DIMM 2400/2133/1866 DDR4 memory, Supports 1,200W platinum-level redundant power supply, and PM bus
Inspur NF8480M4 Server	Inspur Yingxin NF8480M4 Server, 4U 4-Socket, Up to 4* Intel Xeon E7-8800/4800 v4/v3 processors, Up to 96 DIMMs (8 memory boards, each with 12 DIMMs) , expandable up to 12TB, Up to 4* 800W PSUs, optional 2+1, 2+2 or 3+1 redundancy
Inspur NF8480M5 Server	Inspur Yingxin NF8480M5 Server, 4U 4-Socket, Up to 4* Intel Xeon scalable processors, Up to 48 DDR4-2666 memory slots, standard platinum redundant hot swap power supply
Inspur NF8460M4 Server	Inspur Yingxin NF8460M4 Server, 4U 4-Socket, 4 Intel Xeon E7 v3/v4 processors, 32 memory slots, maximum 2TB memory,

	Support maximum 4x 800W power supply modules, optional 2+1, 2+2 or 3+1 redundancy mode
Inspur NF5170M4 Server	Inspur Yingxin NF5170M4 Server, 1U Two-Socket, 2 Intel Xeon E5-2600 v3/v4 processors, 16 Memory Slots, Supports a maximum 2TB memory, supports platinum / titanium power supply, optional 1+1 redundancy, and supports PMBus function
Inspur NF5180M4 Server	Inspur Yingxin NF5180M4 Server, 1U Two-Socket, 2 Intel Xeon E5-2600v3/v4 series processors, 24 Memory Slots, Supports a maximum 3TB memory, supports platinum / titanium power supply, optional 1+1 redundancy, and supports PMBus function
Inspur NF5270M4 Server	Inspur Yingxin NF5270M4 Server, 2U Two-Socket, 2*Intel Xeon E5-2600 v3/v4 processors, 20 Memory Slots, Supports a maximum 1.25TB memory, supports platinum / titanium power supply, optional 1+1 redundancy, and supports PMBus function
Inspur NF5280M4 Server	Inspur Yiingxin NF5280M4 Server, 2U Two-Socket, 2 Intel Xeon E5-2600V3/V4 series processors, 24 Memory Slots, Supports a maximum 3TB memory, Effective redundant hot-swap power; standard platinum level, optional titanium alloy level, supporting PMbus and Node Manager 3.0 Optional hot-swap power interface
Inspur i48 Server	Inspur i48 Server, 4U 8 nodes, 2+2 redundant power supply (800W/1300W/1600W/2000W), 5 redundant fan module N+1 which is backflow prevention designed
Inspur NS5488M5	Inspur 2-Socket Compute Node, 2 Intel Xeon Scalable processors (4100, 5100, 6100, 8100 series), C624 Chipset, 16 DDR4 registered LRDIMMs, up to 1.0TB (64GB per DIMM), 2 NVDIMM
Inspur NS5484M5	Inspur NS5484M5 2-Socket Balanced Node, 2 Intel Xeon Scalable processors (4100, 5100, 6100, 8100 series), C624 Chipset, 6 DDR4 registered LRDIMMs, up to 1.0TB (64GB per DIMM), 2 NVDIMM
Inspur NS5482M5	Inspur NS5482M5 Storage 2-Socket Node, 2 Intel Xeon Scalable processors (4100, 5100, 6100, 8100 series), C624 Chipset, 16 DDR4 registered LRDIMMs, up to 1.0TB (64GB per DIMM), 2 NVDIMM
Inspur NS5482JD	Inspur NS5482JD Storage Extension Node, Storage Controller: INSPUR RAID SLI 3108 (RAID 0, 1, 1E, 5, 6, 10, 50). 2G/4G cache and SuperCap options. INSPUR SAS PMC 8068 (RAID 0/1/5/10/50/SAS Direct).
Inspur NF5270M5 Server	Inspur NF5270M5 Server, 2 Intel Xeon Scalable processors, up to 16 memory, up to 27 SFF or 12 LFF, 1+1 redundancy, 500W/800W/1300W Platinum PSU
Inspur NF8260M5 Server	Inspur NF8260M5 Server, 2 or 4 Intel Xeon Scalable processors, up to 48 memory, 1+1 redundancy, up to 1600W PSU
Inspur NF5466M5 Server	Inspur NF5466M5 Server, 2 or 4 Intel Xeon Scalable processors, up to 24 memory, 1+1 redundancy, up to 1600W PSU

[Inspur NF5266M5 Server](#)

Inspur Yingxin server, supports next-generation Intel Xeon CascadeLake Scalable series processors, up to two 24-core CPUs, up to 24 3.5-inch hard drives and 4 2.5-inch hard drives (supporting NVMe) and 2 M.2 SSD hard drives

WHERE TO BUY

Want to buy this series of products? please contact:

- Tel: +1-626-239-8066 (USA) +852-3050-1066 / +852-3174-6166
- Fax: +852-3050-1066 (Hong Kong)
- Email: sales@router-switch.com (Sales Inquiries)

Or visit: [Inspur Rack Servers](#)

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