

Inspur InCloudRack

» Product Introduction

Inspur is a global datacenter and cloud computing solutions provider with the ability to deliver a full Cloud service stack from IaaS and PaaS to SaaS. In Addition to being a leader in hardware design and manufacturing of storage and compute server hardware, Inspur also has a core strength in software development in the area of HPC, Cloud computing and operations, allowing Inspur to provide end-to-end solutions and management for private and public cloud operators as well as hyperscale data centers.

Leveraging Intel's Rack Scale Architecture and the Scorpio specifications, Inspur's InCloudRack modular design combines centralized power, cooling, and management into a rack level converged infrastructure that revolutionizes how modern data centers and cloud environment can be built. The innovative design of InClou Rack offers modern data centers and cloud environments fast deployment time to reduce time to market, exceptional serviceability and reliability to minimize down time, and unmatched energy efficiency to reduce cost, leading to lower TCO and higher ROI.

» Key Features

Converged Architecture

- Based on Inspur Converged Architecture Gen.2 and Intel® Rack Scale Architecture.
- Modular design: Computing, storage, integrated networking, centralized management, I/O nodes modularization.
- 50%+ higher density than 1U rack server
- 15% reduction in power consumption using rack level centralized power and cooling.
- Good for datacenter scale out as well as scale up designs with support for 2-way, 4-way and 8-way nodes in the same rack.

Distributed Network

- Based on UNE (Unified Network Engine) array, provides interconnect distributed network built-in to the rack
- Software-defined network based on UNE.
- Rack system level network robustness and workload balance.
- Up to 100G uplink bandwidth and 50G interconnect bandwidth, and 77% reduction in network latency.

Enterprise Features

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» Rack Specification and Configuration

InCloudRack offers only one rack spec for different usage model.

Converged Architecture

- Power Shelf supports 9+9 redundant PSUs
- Power Shelf provides total 27KW with 3000W PSUs
- Power Shelf supports BBU
- Support 1-phase and 3-phase power
- Rack Dimensions: 24"W*84.6"H*53"D Rack Configuration (right picture)



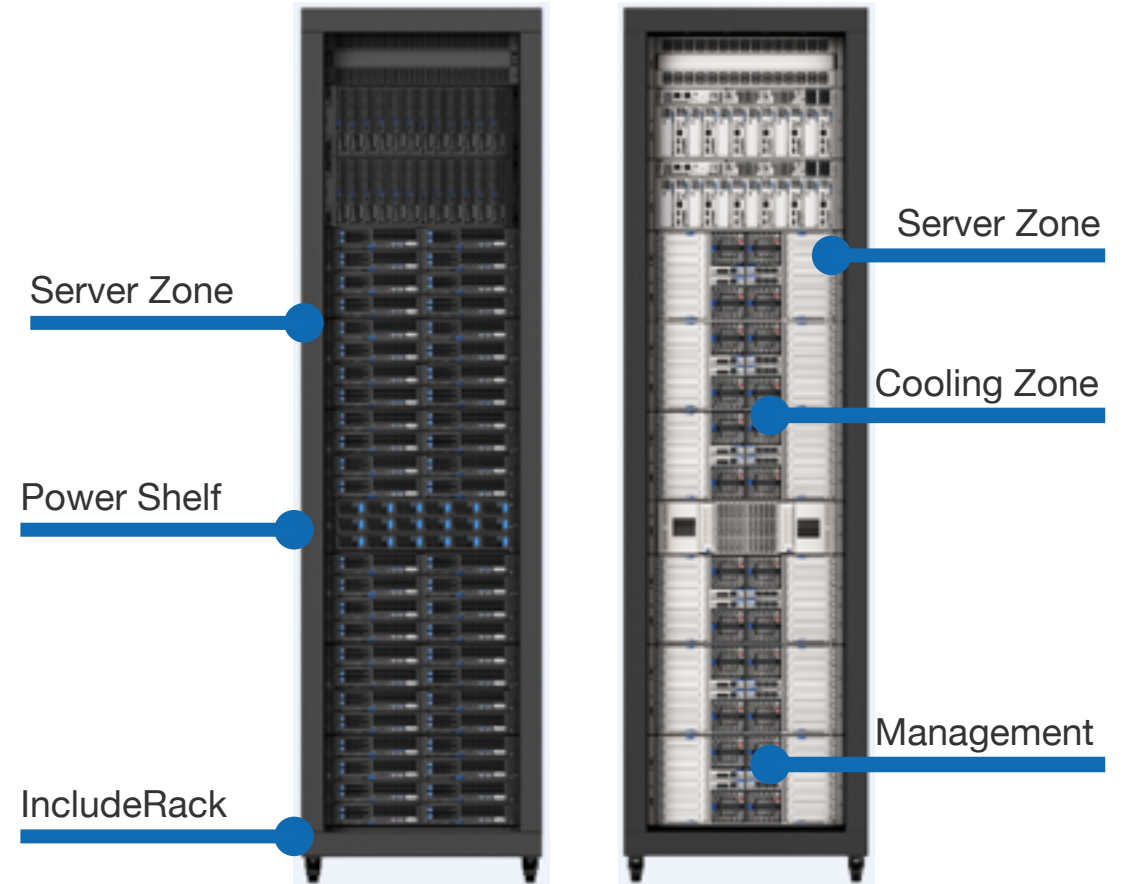
» Specifications and Configuration

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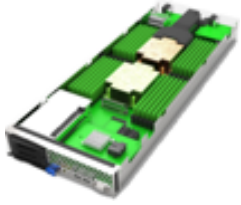
General Specifications:

- Power Shelf contains 9+9 redundant PSUs
- Power Shelf provides total 27KW with 3000W PSUs
- Power Shelf supports BBU
- Support 1-phase and 3-phase power
- Rack Dimension: 24"W*84.6"H*53"D

Rack Configuration (right picture):



» Server Modules Specifications



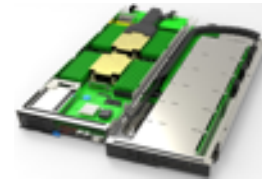
Latest EP Platform with DDR4 Universal Driver Bay

Processor	(2)Xeon E5-2600 V3
Chipset	Intel C600
Memory	(24)2133MHz DDR4 RDIMM/LRDIMM
Storage	(2)2.5"Hot Plug HDD/SSD/PCIE SSD
Network Controller	(2)Management Ports (4)IG LOM
I/O Expansion	(2)Mezz PCIe X16 (2)Expansion PCIe X16
Form Factor	Half Width



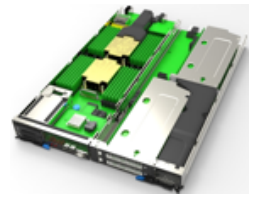
Latest EP Platform with DDR4 2S-8S scalability

Processor	(2)Xeon E7-48/8800 V3
Chipset	Intel C600
Memory	(48)2133MHz DDR4 RDIMM/LRDIMM
Storage	(4)2.5"Hot Plug HDD/SSD/PCIE SSD
Network Controller	(2)Management Ports (4)IG LOM
I/O Expansion	(2)Mezz PCIe X16 (2)Mezz PCIe X8
Form Factor	Full Width



Storage Expansion

Controller	SAS Interface SAS3.012Gb/s
Storage	(12)2.5"Hot Plug SAS/SATA HDD/SSD
Form Factor	Full Width



PCIe Expansion

I/O Expansion	(2)PCIe x16 Slot (2)Mezz PCIe x8 Slot (2)GPU/MIC Support
Form Factor	Half Width

» Product Portfolio

Computer Intensive



64 Compute Modules
128 Xeon E5 CPUs
1536 DDR4
Great for Enterprise

Balanced Workloads



24 Compute Modules
48 Xeon E5 CPUs
24 Storage Modules
336 HDD/SSDs
Great for VM Hadoop

Co-processor Accelerator



24 Compute Modules
48 Xeon E5 CPUs
24 PCIe Modules
48 GPU/MICs
Great for HPC

Mission Critical



24 Compute Modules
48 Xeon E7 CPUs
1152 DDR4
Great for VM database

All in one



Different types of server modules can fit into the same rack depending on application requirements