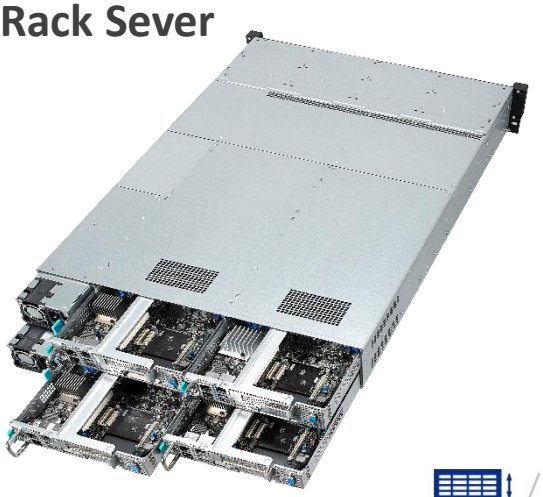
RS720Q-E9-RS8

Great Scalability and High Performance Computing (HPC) with 4 nodes in a 2U Rack Sever



Form Factor 2U4N | CPU Number 2 | Memory Number 12

RS720Q-E9-RS8 Series is the ideal multi-node server for high-performance computing, data analysis, and hyper converged applications. Featuring modular 4 server nodes in 2U chassis, RS720Q-E9 delivers incredible performance to meet demanding compute use requirements.

FEATURE

- Intel® Xeon® Processor Scalable Family with DDR4 Memory up to 2666Mhz
- 8 x 2.5" Hot-swap Drive Bays support 8 x SATA/NVMe
- Embedded Management
  - BMC (ASMB9-iKVM)
  - ASUS Control Center (ACC)
- Visible Q-code/Port 80 LED
- Support 1 x PCIe + 1 x OCP Expansion Slots (each node)
- Thermal Radar and Auto Fan Control Features

Target market

- Data center Storage Server
- HPC Application

Intel® Xeon® Scalable Processor Family

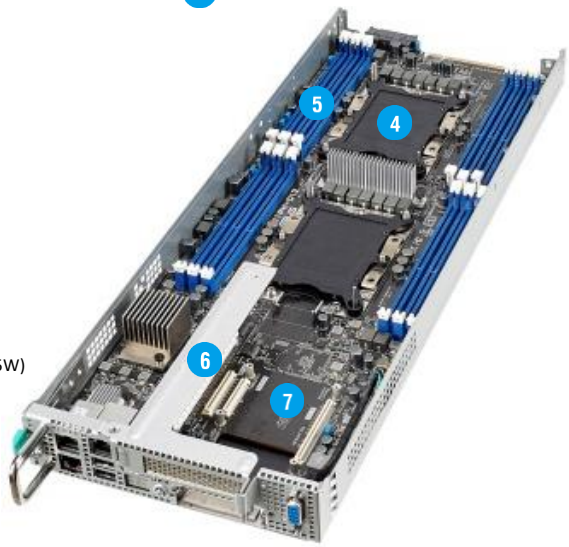
RS720Q-E9-RS8 Series is built with the latest Intel® Xeon® Processor Scalable Family, and designed for the demand of high scalability, high density computing, and wide range of existing and emerging workloads.

Industry-leading Memory Technology

With total 48 x DIMM slots (4 nodes), RS720Q-E9-RS8 Series supports total 6TB memory size. Each node supports 12 x DDR4 memory slots and each memory controller supports 6 channels, up to 2666Mhz of RDIMMs or LR-DIMMs/3DS. We deliver industry-leading memory technology for your business.

Thermal Radar and Auto Fan Control

The server is enabled a smart Thermal Radar and Auto Fan Control mechanism with more ambient temperature sensors for the CPU, memory, and the front inlet air flow. The feature could provide improved thermal monitoring and enable dynamic fan speed adjustment for better thermal efficiency.



1. Asset Tag
2. 8 x 2.5" Hot-Swap HDD Bays (8 x SATA/NVMe Support)
3. 1+1 1600W/2200W 80 PLUS Platinum CRPS
4. 1st and 2nd Gen Intel® Xeon® processor Scalable family (Up to 165W)
5. 12 x DIMM, DDR4-2933/2666, RDIMM, LRDIMM, LRDIMM 3DS
6. 1 x PCI-E x16 (Gen3 x16 link)
7. 1 x OCP 2.0 Mezzanine (Gen3 x16 link)

RS720Q-E9-RS8

SPECIFICATION

Processor Support.		2 x Socket P0 (LGA 3647) per Node 1st and 2nd Gen Intel® Xeon® processor Scalable family (Up to 165W) UPI 10.4 GT/s
Core Logic		Intel® C621 PCH
Memory	**Total Slots**	12 (6-channel per CPU, 6 DIMM per CPU)
	Capacity	Maximum up to 1536GB per Node
	Memory Type	DDR4 2933/2666/2400/2133 RDIMM/LR-DIMM/LR-DIMM 3DS *Refer to ASUS server AVL for the latest update
	Memory Size	32GB, 16GB, 8GB, 4GB (RDIMM), 64GB, 32GB (LRDIMM), 128GB, 64GB (LRDIMM 3DS)
Expansion Slots	**Total PCI/PCI-X/PCI-E/PIKE Slots**	1+1 per Node
	Slot Type	1 x PCI-E x16 (Gen3 x16 link), LP, HL 1 x OCP 2.0 Mezzanine (Gen3 x16 link)
Disk Controller	**SATA Controller**	Per Node: Marvell 88SE9230 (Support RAID 0,1) - 2 x SATA 6Gb/s ports
	SAS Controller	N/A
	NVMe Controller	Per Node: Intel® VROC (Support RAID 0, 1) - 2 x NVMe ports
Storage Bays	**I = internal A or S will be hot-swappable**	8 x 2.5" Hot-swap Storage Bays (SATA/NVMe Supported)
Networking	**LAN**	Per Node: 1 x Dual Port Intel I350-AM2 Gigabit LAN Controller 1 x Management Port
Graphic	**VGA**	Aspeed AST2500 64MB
Front I/O Ports		N/A
Rear I/O Ports		Per Node: 2 x USB 3.0 Ports 1 x VGA Port 2 x RJ-45 GbE LAN Ports 1 x RJ-45 Management Port
Switch/LED		Per Node: Rear: - 1 x Power Switch/LED - 1 x Q-Code/Port 80 LED Front: - 1 x Power Switch/LED - 1 x Location Switch/LED - 1 x Message LED - 2 x LAN LED
OS Support		Please find the latest OS support from http://www.asus.com/
Management Solution	**Software**	ASUS Control Center (Classic)
	Out of Band Remote Management	On-Board ASMB9-iKVM for KVM-over-IP
Dimension		800mm x 444mm x 88mm(2U) 31.5" x 17.48" x 3.46
Net Weight Kg (CPU, DRAM & HDD not included)		32.5 Kg
Gross Weight Kg (CPU, DRAM & HDD not included, Packing included)		41.5 Kg
Power Supply (following different configuration by region)		1+1 Redundant 1600/2200W 80 PLUS Platinum Power Supply Rating: 200-240 Vac, 9.5A/12.6A (for each inlet), 47-63Hz, Class I
Environment		Operation temperature: 10℃ ~ 35℃ Operation temperature: 10℃ ~ 30℃ (for 165W CPU) Non operation temperature: -40℃ ~ 60℃ Non operation humidity: 20% ~ 90% (Non condensing)