

## ASUS RS720Q-E9-RS8-S

## ASUS RS720Q-E9-RS8

Great Scalability and High Performance

Computing (HPC) with 4 nodes in a 2U Rack Server



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.

### Intel® Xeon® Scalable Processor Family

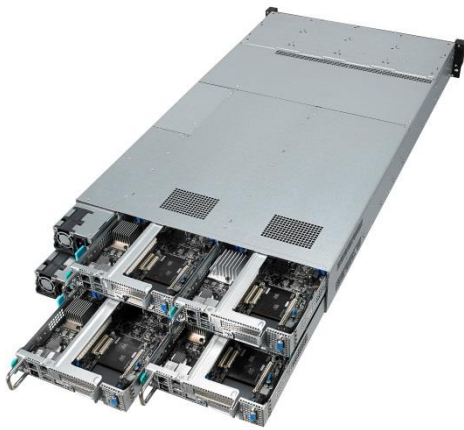
The RS720Q-E9-RS8 Series is built with the latest Intel® Xeon® Processor Scalable Family, and designed for the demand of high scalability, high density computing, and wide range of existing and emerging workloads.

### 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.



### Highlights

- Intel® Xeon® Processor Scalable Family with DDR4 Memory up to 2666Mhz
- 8 x 2.5" Hot-swap Drive Bays support 8 x SATA/SAS/NVMe or 8 x SATA/NVMe (by SKU)
- 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

# Specification

Model Name		RS720Q-E9-RS8-S	RS720Q-E9-RS8
Processor Support		2 x Socket P0 (LGA 3647) per Node Intel® Xeon® Processor Scalable Family (CPU2 165W) Intel® Xeon® Processor Scalable Family with Omni-Path Architecture (CPU1 165W)	
Core Logic		Intel® C621 PCH	
Memory	Total Slots	12 (6-channel per CPU, 6 DIMM per CPU) per Node	
	Capacity	Maximum up to 1536GB per Node	
	Memory Type	DDR4 2666/2400/2133 RDIMM/LR-DIMM/LR-DIMM 3DS	
	Memory Size	32GB, 16GB, 8GB (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	The Same as SAS Controller	Per Node: Marvell 88SE9230 (Support RAID 0,1) - 2 x SATA 6Gb/s ports
	SAS Controller	Per Node: Broadcom SAS3008 (Support RAID 0, 1) - 2 x SAS 12Gb/s ports or - 2 x SATA 6Gb/s ports	N/A
	NVMe Controller	Per Node: Intel® VROC (Support RAID 0, 1) - 2 x NVMe ports	
Storage Bays	I = internal S = hot-swappable	8 x 2.5" Hot-swap Storage Bays (SATA/SAS/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	
Auxiliary Storage Device Bay (Floppy / Optical Drive)		-	
Front I/O Ports		-	
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		Windows® Server 2016, RedHat® Enterprise Linux, SuSE® Linux Enterprise Server CentOS, Ubuntu, Vmware, Citrix XenServer	
Management Solution	Software	ASUS Control Center	
	Out of Band Remote Management	On-Board ASMB9-iKVM for KVM-over-IP	
Regulatory Compliance		BSMI, CE, FCC (Class A)	
Dimensions		800 x 444 x 88mm (2U)	
Net Weight Kg (CPU, DRAM & HDD not included)		32.5 kg	
Gross Weight Kg (CPU, DRAM & HDD not included, Packing include)		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°C ~ 35°C Non operation temperature: -40°C ~ 70°C Non operation humidity: 20% ~ 90% ( Non condensing)	



All specifications are subject to change without notice. Please contact your supplier for more information.

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