

## ASUS RS720Q-E9-RS24-S

Great Scalability and High Performance

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



RS720Q-E9-RS24-S is the ideal multi-node server for high-performance computing, data analysis, and hyper converged applications. Featuring modular 4 server nodes in 2U chassis, The HPC server delivers incredible performance to meet demanding compute use requirements.

### Intel® Xeon® Scalable Processor Family

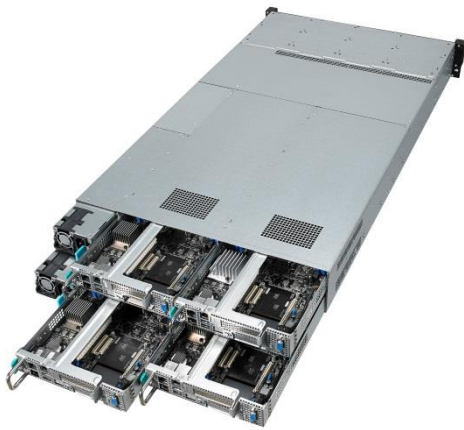
The RS720Q-E9-RS24-S is built with the latest Intel® Xeon® Processor Scalable Family, and designed for the demand of high scalability, high density computing, and wide range of existing and emerging workloads.

### Industry-leading Memory Technology

With total 48 x DIMM slots (4 nodes), RS720Q-E9-RS24-S 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
- 24 x 2.5" Hot-swap Bays support 8 x SATA/SAS/NVMe + 16 x SATA/SAS Devices
- 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

<b>Model Name</b>		<b>RS720Q-E9-RS24-S</b>
<b>Processor Support</b>		2 x Socket P0 (LGA 3647) per Node 1st Gen Intel® Xeon® processor Scalable family (Up to 165W) 2nd Gen Intel® Xeon® processor Scalable family (Up to 165W)
<b>Core Logic</b>		Intel® C621 PCH
<b>Memory</b>	Total Slots	12 (6-channel per CPU, 6 DIMM per CPU) per Node
	Capacity	Maximum up to 1536GB per Node
	Memory Type	DDR4 2933/2666/2400/2133 RDIMM/LR-DIMM/LR-DIMM 3DS
	Memory Size	32GB, 16GB, 8GB (RDIMM), 64GB, 32GB (LRDIMM), 128GB, 64GB (LRDIMM 3DS)
<b>Expansion Slots</b>	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)
<b>Disk Controller</b>	SATA Controller	The Same as SAS Controller
	SAS Controller	Per Node: Broadcom SAS3008 (Support RAID 0, 1) - 6 x SAS 12Gb/s ports or - 6 x SATA 6Gb/s ports
	NVMe Controller	Per Node: Intel® VROC (Support RAID 0, 1) - 2 x NVMe ports
<b>Storage Bays</b>	I = internal S = hot-swappable	8 x 2.5" Hot-swap Storage Bays (SATA/SAS/NVMe Supported) + 16 x 2.5" Hot-swap Storage Bays (SATA/SAS Supported)
<b>Networking</b>	LAN	Per Node: 1 x Dual Port Intel I350-AM2 Gigabit LAN Controller 1 x Management Port
<b>Graphic</b>	VGA	Aspeed AST2500 64MB
<b>Auxiliary Storage Device Bay (Floppy / Optical Drive)</b>		-
<b>Front I/O Ports</b>		-
<b>Rear I/O Ports</b>		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
<b>Switch/LED</b>		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
<b>OS Support</b>		Please find the latest OS support from <a href="http://www.asus.com">http://www.asus.com</a>
<b>Management Solution</b>	Software	ASUS Control Center
	Out of Band Remote Management	On-Board ASMB9-iKVM for KVM-over-IP
<b>Regulatory Compliance</b>		BSMI, CE, FCC (Class A)
<b>Dimensions</b>		800 x 444 x 88mm (2U)
<b>Net Weight Kg (CPU, DRAM &amp; HDD not included)</b>		32.5 kg
<b>Gross Weight Kg (CPU, DRAM &amp; HDD not included, Packing include)</b>		41.5 kg
<b>Power Supply (following different configuration by region)</b>		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
<b>Environment</b>		Operation temperature: 10°C ~ 35°C Operation temperature (for 165W CPU): 10° ~ 30° Non operation temperature: -40°C ~ 60°C Non operation humidity: 20% ~ 90% ( Non condensing)



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

Copyright© 2018 ASUSTeK Computer Inc. All Rights Reserved.