RS700A-E9-RS4V2

New Generation Performance and Efficiency

Form Factor / **1U**   **CPU Number** / **2**   **Memory Number** / **32**

FEATURE

- Brand-New AMD EPYC™ platform

- High Performance Cache Server

- 3 + 1 Expansion Slots

- Friendly Design and Premium Efficiency

- Complete Remote Server Management

Brand-New AMD EPYC™ platform design

ASUS RS700A-R9-RS4V2 is built on the brand-new AMD EPYC™ platform to deliver incredible server performance. With up to 64 cores per CPU and up to 128 threads in a single 1U server, RS700A-E9-RS4V2 packs incredible power in minimal space. 32 DIMM slots provide best-in-class memory capacity and bandwidth, and an integrated I/O controller on the processor eliminates the data transfer bottlenecks caused by discrete I/O chipsets for reduced latency and dramatically faster system performance.

3 + 1 expansion slots

ASUS RS700A-E9-RS4V2 offers flexible expandability with on full height PCIe 3.0 x16 slot (x16 mode), one low-profile PCIe 3.0 x16 slot (x8 mode), one low-profile PCIe 3.0 x8 slot (x8 mode), and one OCP Mezzanine 2.0 slot (x16 mode) for OCP LAN cards. These robust expansion options make RS700A-E9-RS4V2 suitable for a wide range of storage and networking applications, and provides high scalability in a 1U server.

User-friendly and energy-efficient design

RS700A-E9-RS4V2 features numerous user-friendly design features that simplify server maintenance. Two M.2 slots that accommodate 22110-size SSDs for additional storage options. The server's Q-code is visible form the outside of the case to make diagnosing issues easier and more convenient. A tool-less rack rail kit is included for easy server installation and removal, and a tool-less, hot-swappable fan makes for faster and simpler maintenance. RS700A-E9-RS4V2 also features an energy-efficient design that eliminates the power-sharing board for reduced power consumption and operation costs.

Complete remote server management

With an onboard ASMB9-iKVM, ASUS RS700A-E9-RS4V2 enables remote out-of-band management via IPMI (intelligent Platform Management Interface). Additionally, the all-new ASUS control Center software provides a centralized server management solution with comprehensive control over IT environments and reduced IT operation costs.

RS700A-E9-RS4V2

SPECIFICATION

Processor Support			2 x Socket SP3 (LGA 4094) AMD EPYC™ 7002 Series, xGMI (External Global Memory Interface Link)
Core Logic			System on Chip (SoC)
Memory	**Total Slots**		32 (8-channel per CPU, 16 DIMM per CPU)
	Capacity		Maximum up to 4096GB
	Memory Type		DDR4 3200/2933/2666 RDIMM/LRDIMM/LRDIMM 3DS
	Memory Size		8GB, 16GB, 32GB (RDIMM) / 64GB,128GB(RDIMM 3DS) / 32GB, 64GB,128GB (LRDIMM) / 64GB,128GB (LRDIMM 3DS) *Refer to Asus server AVL for latest update
Expansion Slots	**Total PCI/PCI-X/PCIe/PIKE Slots**		3+1
	Slot Type		1 x PCI-E x16 (Gen3 x16 link), FH, HL 1 x PCI-E x16 (Gen3 x8 link), LP, HL 1 x PCI-E x8 (Gen3 x8 link), LP, HL 1 x OCP Mezz. 2.0 (Gen3 x16 link)
Disk Controller	**SATA Controller**		4 x SATA 6Gb/s ports 2 x M.2 connectors (SATA 6Gb/s & PCIe Gen3 x4 link)
	SAS Controller		Optional: ASUS PIKE II 3008 8-port SAS 12Gb/s HBA card ASUS PIKE II 3108 8-port SAS HW 12Gb/s RAID card
Storage Bays			4 x 3.5" Hot-swap Storage Bays (4 x SATA/SAS) * SAS support only from optional SAS HBA/RAID card
Networking	**LAN**		1 x Dual Port Intel I350-AM2 Gigabit LAN Controller, 1 x Management Port
Graphic	**VGA**		Aspeed AST2500 64MB
Front I/O Ports			2 x USB 3.1 Gen 1 ports 1 x VGA port
Rear I/O Ports			2 x USB 3.1 Gen 1 ports 1 x VGA port 2 x RJ-45 GbE LAN ports 1 x RJ-45 Mgmt LAN port
Switch/LED			Rear Switch/LED: 1 x Power switch 1 x Q-Code/Port 80 LED 1 x Message LED 1 x Storage device LED 1 x Location LED Front Switch/LED: 1 x Power switch/LED 1 x Location switch/LED 1 x Message LED 1 x Storage device LED LAN 1-4 LEDs * LAN 3-4 for Mezzanine card use
OS Support			Please find the latest OS support from http://www.asus.com/
Management Solution	**Software**		ASUS Control Center
	Out of Band Remote Management		On-Board ASMB9-iKVM for KVM-over-IP
Dimension			686 mm x 444 mm x 44 mm (1U) 27" x 17.48" x 1.73"
Net Weight Kg (CPU, DRAM & HDD not included)			11.85 Kg
Gross Weight Kg (CPU, DRAM & HDD not included, Packing include)			16.05 Kg
Power Supply (following different configuration by region)			1+1 Redundant 800W 80 PLUS Platinum Power Supply Rating: 100-127Vac/200-240Vac, 9.4A/4.72A (x2), 50/60Hz Class I or 240Vdc, 4.6A (240Vdc only for China)
Environment			Operation temperature: 10℃ ~ 35℃ Non operation temperature: -40℃ ~ 60℃ Non operation humidity: 20% ~ 90% (Non condensing)