RS720A-E9-RS12V2
New Generation Performance with Massive Expandability

Highlights
• Brand new AMD EPYC™ 7002 platform design

• 8 + 1 expansion slots

• Accelerate your workloads

• Comprehensive IT infrastructure management

Brand new AMD EPYC™ 7002 platform design
ASUS RS720A-E9-RS12V2 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 2U server, RS720A-E9-RS12V2 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.

8 + 1 expansion slots
ASUS RS720A-E9-RS12V2 features seven full-height PCIe 3.0 x16 slots (x8 mode). Six of these slots can be paired together to enable three PCIe 3.0 x16 mode configurations. RS720A-E9-RS12V2 also comes with one low-profile PCIe 3.0 x16 slot (x16 mode) and one OCP Mezzanine 2.0 slot (x16 mode) for OCP LAN cards. With its flexible expandability, RS720A-E9-RS12V2 fits a wide range of storage and networking applications, and provides high scalability in a 2U server.

Accelerate your workloads
To effectively manage the storage demands of growing amounts of data, RS720A-E9-RS12V2 supports for up to 12 hot-swap 3.5-inch SATA/SAS drives in the front and 12 3.5-inch and 2 optional 2.5-inch drives in the back, making it an adaptable architecture for diverse workloads. Two M.2 slots that accommodate 22110-size SSDs for additional storage options.

Comprehensive IT infrastructure management
With an onboard ASMB9-iKVM, RS720A-E9-RS12V2 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.

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 *Please refer to www.asus.com for latest memory AVL update
	Memory Size	-
Expansion Slots	Total PCI/PCI-X/PCI-E/PIKE Slots	8+1
	Slot Type	6 x PCI-E x16 (Gen3 x8 link) or 3 PCI-E x16 (Gen3 x16 link), FH, HL 1 x PCI-E x16 (Gen3 x16 link), LP, HL 1 x PCI-E x16 (Gen3 x8 link), FH, HL 1 x OCP Mezzanine 2.0 (Gen3 x16 link)
	Proprietary Slot 1	-
Disk Controller	SATA Controller	12 x SATA 6Gb/s ports 2 x M.2 connectors (SATA 6Gb/s & PCI-E Gen3 x4 link)
	SAS Controller	Optional kits: ASUS PIKE II 3008 8-port SAS HBA card ASUS PIKE II 3108 8-port SAS HW 12Gb/s RAID card
Storage Bays	I = internal A or S will be hot-swappable	Front Bays: 12 x 3.5" hot-swap storage bays (12 x SATA/SAS) Rear Bays(optional, occupied PCIe slots*2): 2 x 2.5" SATA hot-swap storage bays
Networking	LAN	1 x Dual Port Intel I350-AM2 Gigabit LAN Controller, 1 x Management Port Optional OCP Adapter: Up to 100Gb/s Ethernet / InfiniBand Adapter
Graphic	VGA	Aspeed AST2500 64MB
Front I/O Ports		2 x USB 2.0 ports
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 Location LED, 1 x Message LED, 1 x Storage device LED Front Switch/LED: 1 x Power switch/LED, 1 x Location switch/LED, 1 x Reset switch, 1 x HDD Access LED, 1 x Message LED, LAN 1-4 LED • LAN3-4 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
Regulatory Compliance		BSMI, CE, FCC (Class A)
Dimension		750mm x 444mm x 88mm(2U) 29.52" x 17.48" x 3.46"
Net Weight Kg (CPU, DRAM & HDD not included)		16.85 Kg
Gross Weight Kg (CPU, DRAM & HDD not included, Packing include)		22 Kg
Power Supply (following different configuration by region)		1+1 Redundant 800W/1200W 80 PLUS Platinum Power Supply Rating: 100-127/200-240Vac,10A/8A (x2), 50/60Hz Class I (240Vdc, 6A Only for China) Rating: 100-120/200-240Vac,9.4A/4.72A (x2), 50/60Hz Class I (240Vdc, 4.6A Only for China)
Environment		Operation temperature: 10℃ ~ 35℃ Non operation temperature: -40℃ ~ 70℃ Non operation humidity: 20% ~ 90% (Non condensing)

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