

# RS720A-E13 series

## Scalable, High Performance 2U Server



2U



CPU Number

2



Memory Number

24

ASUS RS720A-E13 series is a server powered by AMD 9005 processors that supports up to 24 DIMMs, three dual-slot GPU, 8/12/24 NVMe, ten expansion slots and dual M.2 and ASUS ASMB12-iKVM.

### FEATURE

- Powered by dual AMD 9005 processors, with DDR5 RDIMM up to 6000MHz 1DPC
- CPU maximum TDP up to 500W
- GPU-optimized design allows three dual-slot GPU for AI workloads and high performance computing(HPC).
- Up to 10 expansion Gen5 slots

### AMD next Gen 9005 processors

The RS720A-E13 series is built with the latest AMD 9005 Processor, with 24 DDR5 RDIMM up to 6000 MHz (1DPC), delivering exceptional performance and efficiency across the widest range of workloads.

### DC-MHS architecture

RS720A series built with the modular and scalable DC-MHS architecture provide seamless integration and optimization, making them ideal for modern data centers and diverse IT environments.

### GPU optimized

RS720A-E13 is optimized for up to 3 dual-slot GPU support, such as NVIDIA H100NVL, efficiently handling demanding graphical and computational tasks. With AMD next Gen processors, this server can manage multiple processes simultaneously, ensuring rapid data transfer and improving response times.

### Enhanced Security

PFR FPGA as the platform Root-of-Trust solution for firmware resiliency Trusted Platform Module 2.0 (TPM 2.0) to secure hardware through integrated cryptographic keys and offer regular firmware update for vulnerabilities.

# SPECIFICATION

Model Name		RS720A-E13-RS8U/G	RS720A-E13-RS12U	RS720A-E13-RS24U/G
Processor Support		2 x AMD 9005 processors (Up to TDP 500W) *TDP support by configuration.		
Core Logic		(INTEGRATED I/O – NO CHIPSET)		
Memory	Total Slots Capacity Memory Type Memory Size	24x DDR5 DIMM slots, up to 6000MHz(1DPC) (12-channel per CPU, 12 DIMM per CPU) Maximum up to 3TB DDR5 6400/5600 RDIMM 128GB, 96GB, 64GB *Refer to Asus server AVL for the latest update		
Expansion Slots	Total PCI/PCI-X/PCI-E/PIKE Slots Slot Type	Up to 10 PCIe slots 6 x PCIe Gen5 x8 link or 3 x PCIe Gen5 x16 link (FHFL) 2 x PCIe Gen5 x16 link (FHHL) 2 x OCP3.0 slot maximum support 3 double-wide GPU	Up to 10 PCIe slots 6 x PCIe Gen5 x8 link or 3 x PCIe Gen5 x16 link (FHFL) 2 x PCIe Gen5 x16 link (FHHL) 2 x OCP3.0 slot	Up to 10 PCIe slots 6 x PCIe Gen5 x8 link or 3 x PCIe Gen5 x16 link (FHFL) 2 x PCIe Gen5 x16 link (FHHL) 2 x OCP3.0 slot maximum support 3 double-wide GPU
Disk Controller	SATA Controller	2 x DIMM.2 Gen3 x4 (22110, 2280, 2260) Optional kits: ASUS PIKE II 3008-8i/3108-8i Broadcom HBA CARD 9500-16i Broadcom MegaRAID 9540-8i Broadcom MegaRAID 9560-16i Broadcom MegaRAID 9670W-24i Broadcom MegaRAID 9670W-16i *Refer to Asus server AVL for the latest update		
	SAS Controller	Optional kits: ASUS PIKE II 3008-8i/3108-8i Broadcom HBA CARD 9500-16i Broadcom MegaRAID 9540-8i Broadcom MegaRAID 9560-16i Broadcom MegaRAID 9670W-24i Broadcom MegaRAID 9670W-16i *Refer to Asus server AVL for the latest update		
Storage Bays	I = internal A or S will be hot-swappable	8x 2.5" hot-swap drive bays Support 8x NVMe/SATA/SAS*	12 x 3.5" hot-swap drive bays -Config 1: 12NVMe -Config 2: 8NVMe/SATA/SAS* + 4SATA/SAS*	24 x 2.5" hot-swap drive bays Support up to 8NVMe + 16NVMe/SATA/SAS*
		*HBA/ RAID card is required to support SAS hard drives		
Networking	LAN	1 x Management Port		
Graphic	VGA	Aspeed AST2600 64MB		
Front I/O Ports		2 x USB 3.2 Gen1 ports		
Rear I/O Ports		2 x USB 3.2 Gen1 ports 1 x Mini-DP port 1 x RJ-45 Mgmt. LAN port 1 x Type C port		
Switch/LED		Rear Switch/LED: 1 x Power switch 1 x Location switch/LED Front Switch/LED: 1 x Power switch/LED 1 x Location switch/LED 1 x Reset switch 1 x Message LED		
OS Support		Please refer the latest OS support from <a href="http://www.asus.com/">http://www.asus.com/</a>		
Management Solution	Software	ASUS Control Center (Classic)		
	Out of Band Remote Management	On-Board ASM12-iKVM for KVM-over-IP		
Dimension		2U, 449 (W) x 88 (H) x 830 (D) mm 17.68 (W) x 3.5 (H) x 32.7 (D) inches		
Net Weight Kg (CPU, DRAM & HDD not included)		TBC		
Gross Weight Kg (CPU, DRAM & HDD not included, Packing included)		TBC		
Power Supply (following different configuration by region)		1+1 Redundant 80 PLUS 3200W/2700W Titanium PSU		
Environment		Operation temperature: 10°C ~ 35°C Non operation temperature: -40°C ~ 70°C Non operation humidity: 20% ~ 90% (Non condensing)		