

# RS700A-E13 series

## Scalable, High Performance 1U Server



1U



CPU Number

2



Memory Number

24

ASUS RS700A-E13 series is a server powered by AMD 9005 processors that supports up to 24 DIMMs, 4/12 NVMe, four 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
- Up to 4 expansion Gen5 slots

### AMD next Gen 9005 processors

The RS700A-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

RS700A 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.

### 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		RS700A-E13-RS4U	RS700A-E13-RS12U
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 4 PCIe slots 2 x PCIe Gen5 x16 link (FHHL) 2 x OCP 3.0 slot	
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	4 x 3.5" hot-swap bays Support to 4 x NVMe/SATA/SAS* *HBA/ RAID card is required to support SAS hard drives	12 x 2.5" hot-swap bays Support to 12 x NVMe/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			
OS Support		Please find 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		1U, 449 (W) x 43.85 (H) x 800 (D) mm 17.68 (W) x 1.73 (H) x 31.5 (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 2000W/2700W/3200W Titanium/Platinum PSU	
Environment		Operation temperature: 10°C ~ 35°C Non operation temperature: -40°C ~ 70°C Non operation humidity: 20% ~ 90% (Non condensing)	