RS700A-E13 Series AMD Turin EPYC 9005

Scalable, High Performance 1U Server

Form Factor 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 360W
- Up to 4 expansion Gen5 slots

AMD next Gen 9005 processors

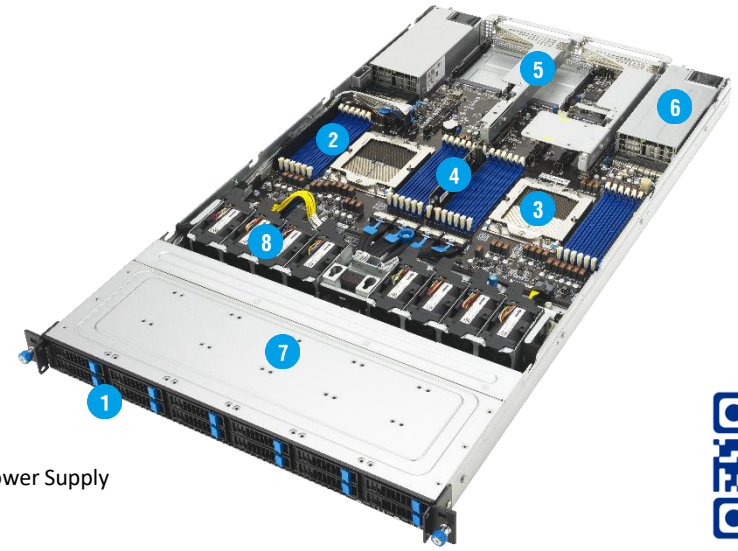
The RS700A-E13 series is built with the latest AMD 9005 Processor, with 24 DDR5 RDIMM up to 6000 MHz (1DPC), delivering exceptional performance and efficiency across the widest range of workloads.

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.



1. 1 x Asset Tag
2. 24 x DIMM slots (DDR5 up to 6000)
3. 2 x AMD EPYC™ 9005 Series
4. 2 x DIMM.2 (Up to 22110)
5. 4 x Gen5 x16 Expansion Slots
6. 1+1 Redundant 2000W 80 PLUS Titanium/Platinum Power Supply
7. 12 x 2.5” or 4 x 2.5”/3.5” Hot-swap Storage Bays
8. 8 x 4056 Tool-less hot-swap fan modules

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SPECIFICATION

Model Name		RS700A-E13-RS4U	RS700A-E13-RS12U
Processor Support		2 x AMD 9005 processors (Air-cooled w/ 1U EVAC HS up to TDP **400W**) *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, 32GB, 16GB *Refer to Asus server AVL for the latest update	
Expansion Slots	**Total PCI/PCI-X/PCI-E/PIKE Slots** **Slot Type**	**4 x Expansion slots** 2 x PCIE Gen5 x16 (FHHL) 2 x OCP3.0 Gen5 x16	
Disk Controller	**SATA Controller**	2 x DIMM.2 Gen3 x4 (22110, 2280, 2260) **Optional kits:** Broadcom HBA CARD 9500-16i Broadcom MegaRAID 95XX/96XX series *Refer to Asus server AVL for the latest update	
	SAS Controller	**Optional kits:** Broadcom HBA CARD 9500-16i Broadcom MegaRAID 95XX/96XX series *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 4 x NVMe/SATA/SAS* *HBA/ RAID card is required to support SAS hard drives	12 x 2.5" hot-swap bays Support 12 x NVMe/SATA/SAS*
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 Debug port	
Switch/LED			
OS Support		Please find the latest OS support from http://www.asus.com/	
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)		13.81	
Gross Weight Kg (CPU, DRAM & HDD not included, Packing included)		16.71	
Power Supply (following different configuration by region)		1+1 Redundant 80 PLUS 2000W Titanium/Platinum PSU	
Environment		Operation temperature: 10℃ ~ 35℃ Non operation temperature: -40℃ ~ 70℃ Non operation humidity: 20% ~ 90% (Non condensing)	

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