



RS500-E9-PS4



RS500-E9-RS4  
RS500-E9-RS4-U

### Highlights

- 1 x AMD EPYC™ 7000 Series Processor with DDR4 Memory up to 2666Mhz
- 4 x 3.5" Hot-swap Storage Bays support 4 x SATA/SAS or 4 x SATA/SAS/NVMe (by SKU)
- Support 1 x M.2 Conn. (up to 22110 module)
- Support 2 x PCIe slots + 1 x OCP Mezzanine slot.
- Embedded IT Management  
- BMC (ASMB9-iKVM)  
- ASUS Control Center (ACC)
- Visible Q-code/Port 80 LED
- Thermal Radar and Auto Fan Control Features

## ASUS RS500A-E9-PS4

## ASUS RS500A-E9-RS4

## ASUS RS500A-E9-RS4-U

Rack Optimized Design with Great Efficiency and Scale-out Computing



RS500A-E9 Series is the ideal 1U rack server with the balanced design of performance and power efficiency. Featuring the single processor in a 1U chassis, RS500A-E9 delivers the right-sized rack server dimensions for price sensitive applications and meets the demanding computing requirements.

### AMD EPYC™ 7000 Series Processor

The RS500A-E9 Series is built on the latest AMD EPYC™ 7000 Series Processor, and designed for the demand of scale-out computing, and wide range of existing and emerging workloads.

### Industry-leading Memory Technology

With 16 x DIMM slots, RS500A-E9 Series supports total 2,048GB memory size. The CPU's memory controller supports 16 x DDR4 memory slots with 8 channels, up to 2666Mhz of RDIMMs or LR-DIMMs/3DS. We deliver the industry-leading technology of server memory for our customers' business.

### Thermal Radar and Auto Fan Control

Besides thermal sensors from CPU, there is also an ambience sensor at front panel. The Thermal Radar design provides internal and external temperature monitoring and enables dynamic fan curve adjustment, lowering fan power consumption up to 20% and reducing TCO, which brings a huge benefit for mega-scale data center.



## Specification

Model Name		RS500A-E9-PS4	RS500A-E9-RS4	RS500A-E9-RS4-U
Processor Support		1 x SP3 LGA4094 AMD EPYC™ 7000 Series Processor (up to 180W)		
Core Logic		NA		
Memory	Total Slots	16 (8 DIMMs and 8 Channels per CPU)		
	Capacity	Maximum 2,048GB		
	Memory Type	DDR4 2666/2400/2133 RDIMM/LR-DIMM/LR-DIMM 3DS		
	Memory Size	32GB, 16GB, 8GB (RDIMM), 64GB, 32GB (LRDIMM), 128GB, 64GB (LRDIMM 3DS)		
Expansion Slots	Total PCI/PCI-X/PCI-E/PIKE Slots	2+1		
	Slot Type	1 x PCI-E x16 slot (Gen3 x16 link) FH, HL 1 x PCI-E x8 slot (Gen3 x8 link) FH, HL 1 x OCP 2.0 Mezzanine slot (Gen3 x8 link)		
Disk Controller	SATA Controller	Integrated in CPU - 12 x SATA 6Gb/s ports (4 SATA connectors + 2 mini-SAS HD Connector) - 1 x M.2 connector (up to 22110, SATA 6Gbps or PCI-E Gen3 x4 link)		
	SAS Controller	Optional Kit: - ASUS PIKE II 3008-8i HBA Card - ASUS PIKE II 3108-8i HW RAID Card		
	NVMe Controller	NA	Integrated in CPU	
Storage Bays	I = internal S = hot-swappable	4 x 3.5" Hot-swap Storage Bays (SATA/SAS Supported)		4 x 3.5" Hot-swap Bays (SATA/SAS/NVMe Supported)
Networking	LAN	1 x Dual Port Intel® I350-AM2 Gigabit LAN Controller 1 x Management Port		
Graphic	VGA	Aspeed AST2500 64MB		
Auxiliary Storage Device Bay (Floppy / Optical Drive)		1 x Slim-type Optical Device Bay (DVD-RW)		
Front I/O Ports		2 x USB 3.0 ports 1 x VGA port		
Rear I/O Ports		2 x USB 3.0 Ports 1 x VGA Port 2 x RJ-45 1GbE LAN Ports 1 x RJ-45 Management Port		
Switch/LED		Rear: - 1 x Power Switch/LED - 1 x Q-Code/Port 80 LED Front: - 1 x Power Switch/LED - 1 x Location Switch/LED - 1 x Reset Switch - 1 x Message LED - 4 x LAN LED (LED1~2 for on-board LAN, 3~4 for OCP LAN)		
OS Support		Windows® Server 2016, RedHat® Enterprise Linux, SuSE® Linux Enterprise Server CentOS, Ubuntu, Vmware, Citrix XenServer		
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)		
Dimensions		615 x 444 x 44mm (1U)		
Net Weight Kg (CPU, DRAM & HDD not included)		10 kg.	11 Kg.	
Gross Weight Kg (Barebone Type, Packing include)		16 kg.	17 Kg.	
Power Supply (following different configuration by region)		Single 650W Platinum PSU Rating: 100-240 Vac, 9A/5A, 50-60Hz, Class I	1+1 Redundant 770W Platinum PSU Rating: 100-240 Vac, 10A/5A, 50-60Hz, Class I	
Environment		Operation temperature: 10°C ~ 35°C Non operation temperature: -40°C ~ 70°C Non operation humidity: 20% ~ 90% ( Non condensing)		



All specifications are subject to change without notice. Please contact your supplier for more information.

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