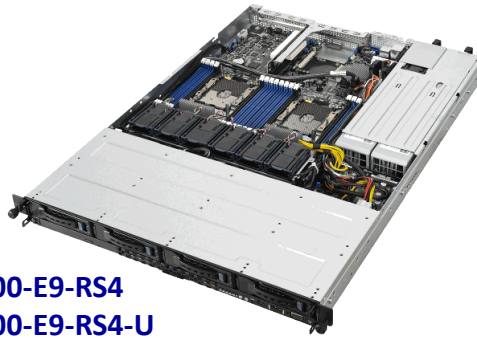


RS500-E9 Series

Rack Optimized Design with Great Efficiency and Scale-out Computing



RS500-E9-PS4



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



1U



2



16

RS500-E9 Series is the ideal 1U rack server with the balanced design of performance and power efficiency. Featuring dual processors in a 1U chassis, RS500-E9 delivers the right-sized server dimensions for scale-out IT infrastructure to meet demanding computing requirements.

FEATURE

- 4 x 3.5" Hot-swap Storage Bays support 4 x SATA/SAS or 4 x SATA/SAS/NVMe (by SKU)
- Support 2 x M.2 Conn. (up to 22110 SSD module)
- 2 x PCIe + 1 x OCP Expansion

First Gen and Second Gen Intel® Xeon® Scalable processor Family

The RS500-E9 Series supports latest Intel® Xeon® Processor Scalable Family, and designed for the demand of scale-out computing, and wide range of existing and emerging workloads.

Industry-leading Memory Technology

With total 16 x DIMM slots, RS500-E9 Series supports total 4,096GB memory size. Each CPU (memory controller) supports 8 x DDR4 memory slots with 6 channels, up to 2933Mhz of RDIMMs or LR-DIMMs/3DS. We deliver the industry-leading technology of server memory for our customers' business

Flexible expandability with three expansion slots

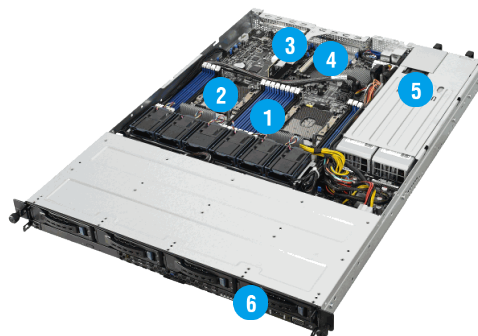
RS500-E9 provides flexible expandability with two PCIe slots, as well as one connector for OCP 2.0 Mezzanine card support for applications that require high-bandwidth to transfer large data such as data center, HPC, web-hosting and enterprise uses..

Comprehensive IT infrastructure management solution

ASMB9-iKVM and ASUS Control Center (ACC*)

Target market

- Data center
- Enterprise Application



1. 16 x DIMM, DDR4-2933/2666 RDIMM, LRDIMM, LRDIMM 3DS
2. 1st and 2nd Gen Intel® Xeon® Scalable processor
3. 1 x PCI-E x16 (Gen3 x16 link) , 1 x PCI-E x8 (Gen3 x8 link); 1 x PCI-E x24 (x16 link + x8 link)
4. 1 x OCP 2.0 Mezzanine (Gen3 x8 link)
5. Single 650W 80 PLUS Platinum PSU (PS4); 1+1 450W 80 Gold or 770W 80 PLUS Platinum PSU (RS4, RS4-U)
6. 4 x 3.5" or 2.5" Hot-swap Storage Bays

RS500-E9

SPECIFICATION

Processor Support		2 x Socket P0 (LGA 3647) 1 ST Gen Intel® Xeon® Processor Scalable Family (up to 205W) 2 nd Gen Intel® Xeon® Processor Scalable Family (up to 205W)
Core Logic		Intel® C621 PCH
Memory	Total Slots	16 (8-channel)
	Capacity	Maximum up to 4096GB
	Memory Type	DDR4 2933 (1 DIMM per Channel) DDR4 2666 RDIMM/LRDIMM/LRDIMM 3DS (2DIMM per Channel) *Refer to Asus server AVL for the latest update *if 2DPC, 2933MHz speed will drop to 2666MHz
	Memory Size	32GB, 16GB (RDIMM), 128GB, 64GB, 32GB (LRDIMM), 256GB, 128GB, 64GB (LRDIMM 3DS) *Refer to ASUS server AVL for the latest update
Expansion Slots	Total PCI/PCI-X/PCI-E/PIKE Slots	2+1
	Slot Type	1x PCIe 3.0 x16 Slot (x16 link) FH, HL 1x PCIe 3.0 x8 Slot (x8 link) FL,HL 1 x OCP 2.0 Mezzanine (x16 link)
Disk Controller	SATA Controller	SATA Controller : Intel® C621 PCH - 12 x SATA 6Gb/s ports (4 SATA connectors + 2 mini-SAS HD Connector) - 2 x M.2 connector (SATA 6Gb/s & PCI-E Gen3 x4 link)
	SAS Controller	Optional kits: ASUS PIKE II 3108 II 8i-240PD 2G SAS HW RAID card 12G SAS Support
	NVMe Controller	Optional kits (for RS500-E9-RS4-U): Intel® VROC H/W Key - 4 x NVMe ports (RAID 0,1,5)
Storage Bays	I = internal S = hot-swappable	4 x 3.5" or 2.5" Hot-swap Storage Bays RS4/ PS4: SATA/SAS Supported RS4-U: 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
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 (Classic)
	Out of Band Remote Management	On-Board ASMB9-iKVM for KVM-over-IP
Dimension (Form Factor)		615 x 444 x 44mm (1U)
Net Weight Kg (CPU, DRAM & HDD not included)		11 Kg
Gross Weight Kg (CPU, DRAM & HDD not included, Packing included)		17 Kg
Power Supply		PS4: Single 650W Platinum PSU. Rating: 100-240 Vac, 9A/5A, 50-60Hz, Class I RS4/RS4-U: 1+1 Redundant 450W Gold or 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)