

RS720-E9-RS24-E

Scalable, High Performance 2U Server



ASUS RS720-E9-RS24-E is designed for easy scalability to fit growing businesses and multiple workloads. Achieve high-bandwidth, low-latency networking , fast communication between nodes with 1* OCP and 8* PCIe Gen3 x16 slots for your choice of expansion cards.

FEATURE

- 24 x 2.5" Hot-swap HDD bays (SAS/SATA)
- Dual M.2 support
- 8 x PCIe + 1 x OCP Expansion Slots in 2U
- Rack-optimized Design

No.1 Performance in Industry-standard SPEC Benchmarks

RS720-E9-RS24-E supports two of the latest Intel Xeon Scalable Family processors, featuring 205W CPUs with 56 cores and 112 threads for leading performance. It also has 24 memory slots that fit up to 3TB of DDR4 2666 memory for intensive computing. RS720-E9 series rack server achieved No 1. results in the Intel Xeon® Gold 2-socket systems category for SPEC CPU 2017.

Scalable Design for Growing Workloads

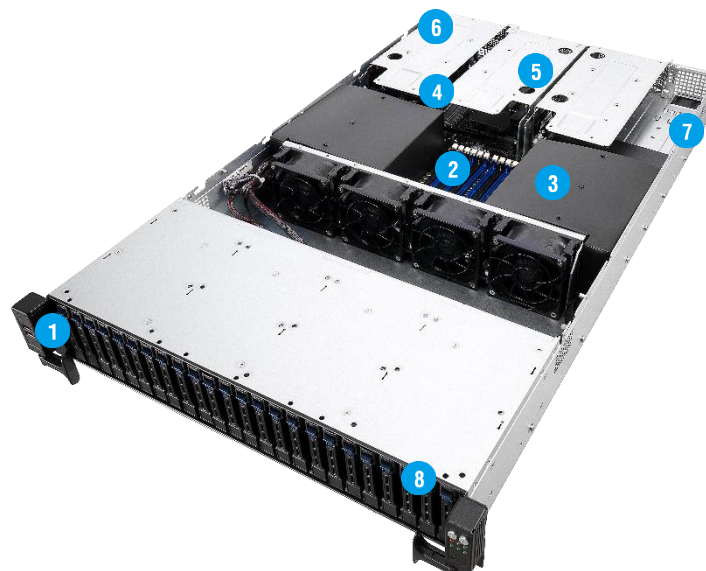
3 x PCIe Gen3 x16 links to fit full height half length expansion cards or 7x PCIe x8 links for HBA/RAID cards, 1 x PCIe x16 link low-profile slot for your choice of high speed fabrics. RS720-E9-RS24-E also features multiple interface types for flexible storage configurations, including dual PCIe or SATA M.2, and SAS/SATA hot-swappable 2.5-inch drives.

Target market

- Data center Storage Server
- Enterprise Application

Comprehensive IT infrastructure management solution

ASMB9-iKVM and ASUS Control Center (ACC*)



1. Asset Tag
2. 24 x DIMM, DDR4-2666/2400 RDIMM, LRDIMM, LRDIMM 3DS
3. Intel® Xeon® Scalable Processor Family (205W)
4. Dual M.2 (NGFF), 22110/2280/2260/2242
5. 3 x PCI-E x16 (Gen3 x16 link) / 6 x PCI-E x16 (Gen3 x8 link); 1 x PCI-E x16 (Gen3 x16 link) LP, 1x PCI-E x16 (Gen3 x8 link) FHHL
6. 1 x OCP 2.0 Mezzanine (Gen3 x16 link)
7. 1+1 1200W or 800W 80 PLUS Platinum CRPS
8. 24x 2.5" Hot-swap HDD Bays



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SPECIFICATION

Processor Support.		2 x Socket P0 (LGA 3647) Intel® Xeon® Scalable Processor Family (205W) UPI 10.4 GT/s
Core Logic		Intel® C621 PCH
Memory	Total Slots	24 (6-channel per CPU, 12 DIMM per CPU)
	Capacity	Maximum up to 3072GB
	Memory Type	DDR4 2666/2400 RDIMM/LR-DIMM/LR-DIMM 3DS *Refer to ASUS server AVL for the latest update
	Memory Size	32GB, 16GB, 8GB, 4GB (RDIMM), 64GB, 32GB (LRDIMM), 128GB, 64GB (LRDIMM 3DS) *Refer to ASUS server AVL for the latest update
Expansion Slots	Total PCI/PCI-X/PCI-E/PIKE Slots	8+1
	Slot Type	7 x PCI-E x16 (Gen3 x8 link), FH, HL 1 x PCI-E x8 (Gen3 x8 link), LP, HL 1 x OCP 2.0 Mezzanine (Gen3 x16 link)
Disk Controller	SATA Controller	Intel® Lewisburg PCH - 10 x SATA3 6Gb/s ports - 2 x M.2 connector(SATA 6Gb/s & PCI-E Gen3 x4 link) Intel® RSTe (Support software RAID 0, 1, 10 & 5) Intel® VROC (for Windows only; Support software RAID 0, 1, 10 & 5)
	SAS Controller	Optional kits: ASUS PIKE II 3108 II 8i-240PD 2G SAS HW RAID card 12G SAS Support
Storage Bays	I = internal A or S will be hot-swappable	24 x 2.5" Hot-swap SAS/SATA Storage Device Bays 2 x M.2 (22110, 2280, 2260, 2242) (Support SATA/PCIe M.2,SATA/PCIe RAID)
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 2.0 ports, 1 x VGA port
Rear I/O Ports		2 x USB 3.0 ports, 1 x VGA port, 2 x RJ-45 GbE LAN ports, 1 x RJ-45 Mgmt LAN port
Switch/LED		Rear Switch/LED: 1 x Power switch, 1 x Q-Code/Port 80 LED 1xMessage LED, 1xHDD LED, 1x Location LED Front Switch/LED: 1 x Power switch/LED, 1 x Location switch/LED 1 x Reset switch, 1 x HDD Access LED,1 x Message LED, LAN 1-4 LED * LAN3-4 for Mezzazine card use
OS Support		Windows® Server 2016, Windows® Server 2012 R2 RedHat® Enterprise Linux, SuSE® Linux Enterprise Server CentOS, Ubuntu, Vmware 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 ASMB9-iKVM for KVM-over-IP
Dimension		750mm x 444mm x 88mm 29.52" x 17.48" x 3.46"
Net Weight Kg (CPU, DRAM & HDD not included)		15.98kg
Gross Weight Kg (CPU, DRAM & HDD not included, Packing include)		23.25kg
Power Supply (following different configuration by region)		1+1 Redundant 1200w 80 PLUS Platimun Power Supply (for CPU TDP up to 205W CPU) 800w 80 PLUS Platinum Power Supply(for CPU TDP 145W and below) Rating: 100-127Vac/200-240Vac,10A/5A ,50/60Hz, Class I (240Vdc Only for China)
Environment		Operation temperature: 10°C ~ 35°C Non operation temperature: -40°C ~ 70°C Non operation humidity: 20% ~ 90% (Non condensing)