



▶ RS700-E8-RS4



▶ RS700-E8-RS8

Highlights

- Optimized for rack-mounting
- 2+2 expansion slots
- Premium components for premium efficiency
- Instant Deployment
- Complete Remote Server Management

ASUS RS700-E8 Series
Rack-Optimized Design with Supreme
Computing Power



RS700-E8 series is a flagship 1U rack server with proven high-level computing power, performance and superb efficiency. With two CPUs, 24 DIMM slots, flexible expansion and premium cooling, RS700-E8 series is ideal for datacenters, enterprise databases and business-critical, front-end server applications.

Optimized for rack-mounting

RS700-E8 series' internal layout is optimized for rack-mounted configurations, with both the CPU and memory placed in a parallel arrangement directly behind the fan inlet to promote maximum cooling for increased efficiency— and that makes it perfect for datacenters.

2+2 expansion slots

RS700-E8 series has high expandability with one Full-high PCI Express 3.0 x16 slot (x16 link) and one Low-profile PCI Express 3.0 x8 slot (x8 link), plus one proprietary PCI Express 3.0 x8 (x8 link) for the optional ASUS PIKE II card and one PCI Express 3.0 x8 (x8 link) for mezzanine cards, such as the OCP 10Gbit/s LAN card. This flexible expansion offers diverse applications in storage and networking to meeting the demands of future expansion and high scalability in a 1U case.

Premium components for premium efficiency

RS700-E8 series benefits from premium components hand-chosen and carefully arranged by ASUS engineers to provide premium efficiency. With ASUS Beat Thermal Chokes, Dr. MOS and 1+1 80 PLUS 800W Platinum power supplies, it delivers great durability and up to 94% power efficiency. The 1+1 power supply design allows the server to keep working even if one power supply requires maintenance, enabling uninterrupted operation. RS700-E8 series has durable 12k solid capacitors that are able to withstand up to 12,000 hours of high ambient temperatures. These 12K capacitors also boast lower equivalent series resistance (ESR) for increased efficiency and minimal heat generation.

Feature difference	RS700-E8-RS4	RS700-E8-RS8
HDDs	3.5" x 4	2.5" x 8

Specification

Processor Support		2 x Socket R3 (LGA 2011-3)
		Intel® Xeon® processor E5-2600 v3 product family (145W)
		QPI 6.4 / 8.0 / 9.6 GT/s
Core Logic		Intel® C612 PCH
Memory	Total Slots	24 (4-channel per CPU, 12 DIMM per CPU)
	Capacity	Maximum up to 1536GB
	Memory Type	DDR4 2133/1866/1600/1333 RDIMM/LR-DIMM/NVDIMM *Refer to ASUS server AVL for the latest update
	Memory Size	32GB, 16GB, 8GB, 4GB(RDIMM) 64GB, 32GB (LRDIMM) *Refer to ASUS server AVL for the latest update
Expansion Slots	Total PCI/PCI-X/PCI-E/PIKE Slots	2 + 2
	Slot Type	1 x PCI-E x16 (Gen3 x16 link), FH, HL 1 x PCI-E x8 (Gen3 x8 link), LP, HL 1 x PCI-E x8 (Gen3 x8 link), proprietary* 1 x PCI-E x8 (Gen3 x8 link), OCP Mezzanine** * Support for ASUS PIKE II (optional) ** Support for MCB-10G-2S (Dual Port 10 Gigabit/s Ethernet card) (optional)
Disk Controller	SATA Controller	<u>Intel® C612</u> 2 x MiniSAS ports (4 x SATA ports) + 2 x SATA ports or 2 x MiniSAS ports (4 x SATA ports) + 1 x SATA port + 1 x M.2 connector Intel® RSTe (for Windows only; Support software RAID 0, 1, 10 & 5)
	SAS Controller	Optional kits: ASUS PIKE II 3008 8-port SAS HBA card
Storage Bays	I = internal A or S will be hot-swappable	8 x 2.5" Hot-swap Storage Bays (RS700-E8-RS8) 4 x 3.5" Hot-swap Storage Bays (RS700-E8-RS4)
Networking	LAN	1 x Dual Port Intel I350-AM2 Gigabit LAN Controller 1 x Management Port
Graphic	VGA	Aspeed AST2400 32MB
Auxiliary Storage Device Bay (Floppy / Optical Drive)		1 x Slim-type Optical Drive Bay Options: No Device / DVD-RW
I/O Connector and Switch/LED		Rear I/O Connector and Switch/LED: 2 x USB 3.0 ports 1 x VGA port 2 x RJ-45 GbE LAN port 1 x RJ-45 Mgmt LAN 1 x PS/2 KB/Mouse port 1 x Power switch/LED
OS Support		Windows® Server 2012 R2 Windows® Server 2012 Windows® Server 2008 R2 RedHat® Enterprise Linux SuSE® Linux Enterprise Server CentOS, Ubuntu Vmware, Citrix XenServer Please find the latest OS support from http://www.asus.com/
Management Solution	Software	ASWM Enterprise
	Out of Band Remote Management	On-Board ASMB8-iKVM for KVM-over-IP
Regulatory Compliance		BSMI, CE, C-TICK, FCC (ClassA)
Dimension		686mm x 444mm x 44mm(1U)
Net Weight Kg (CPU, DRAM & HDD not included)		18Kg
Power Supply (following different configuration by region)		1+1 Redundant 800W 80PLUS Platinum Power Supply Rating: 100-127Vac/200-240Vac,9.9A/4.79A,47-63Hz, Class I
Environment		Operation temperature: 10°C ~ 35°C Non operation temperature: -40°C ~ 70°C Non operation humidity: 20% ~ 90% (Non condensing)



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