

TS700-E9-RS8

Multiple-GPU tower server with power efficiency for business and data center environments



Highlights

- Powerful performance with Intel® Xeon® Scalable Family processors and ECC memory
- Flexible design fits in the office or data center with server rail kit
- Comes with ASUS Control Center for improved productivity
- Redundant Platinum PSU support for high power-efficiency
- Tool-less component replacement design for hassle-free maintenance
- Support for multiple graphics cards, including NVIDIA® Quadro® and AMD® CrossFireX™
- High expandability and scalability with seven PCIe slots
- Supports up to 12 DDR4 ECC memory for faster system performance
- Comprehensive IT Infrastructure Management-[ASUS Control Center](#)

No.1 Performance in industry-standard SPEC benchmarks

TS700-E9-RS8 features ASUS-exclusive Thermal Radar technology with ambient sensors for internal and external temperature monitoring, and dynamic fan-curve adjustment, which lowers fan power consumption by up to 20% and reduces total cost of ownership — ideal for data centers with extreme workloads.

Tool-less component replacement design for hassle-free maintenance

TS700-E9-RS8 features an easy-to-service design that helps maximize system uptime by enabling system administrators to perform maintenance and upgrade system components easily with no tools required to replace the system components, including HDD module cage, 5.25-inch drive, and front and rear system fans.

High expandability and scalability

Seven PCIe slots and support for optional ASUS PIKE II add-on cards, including HAB/RAID and 10G LAN cards, ensures great expandability and scalability for a diverse array of storage and networking applications.

Multiple graphics card support

TS700-E9-RS8 accommodates two dual-slot graphics cards with a two true PCIe 3.0 x16 links to unleash maximum graphic performance. With support for NVIDIA Quadro and AMD CrossFireX configurations, TS700-E9-RS8 is an excellent choice for content creators, mechanical or architectural engineers, and anyone with processing-intensive workloads.

Supports up to 12 DDR4 ECC memory

TS700-E9-RS8 supports up to 12 DDR4 error-correcting code (ECC) memory modules to ensure fast and responsive system performance, even when simultaneously running multiple RAM-intensive applications, such as video, audio and image editing programs.

SPECIFICATION

Processor / System Bus		2 x Socket P (LGA 3647) Intel® Xeon® Scalable Processors Family (205W) *Refer to support page for more information ,UPI (10.4 GT/s)
Core Logic		Intel® Lewisburg PCH C621
Memory	Total Slots	12 (6-channel per CPU, 6 DIMM per CPU)
	Capacity	Maximum up to 768GB RDIMM/Maximum up to 768GB LRDIMM/Maximum up to 1536GB LR-DIMM 3DS
	Memory Type	DDR4 2666/2400 /2133 RDIMM,DDR4 2666/2400 /2133 LRDIMM,DDR4 2666/2400 /2133 LR-DIMM 3DS
	Memory Size	64GB, 32GB, 16GB, 8GB (RDIMM),64GB, 32GB (LRDIMM),128GB, 64GB (LR-DIMM 3DS)
Expansion Slots	Slot Type	2 x PCIe 3.0 x16 slots (Gen3 x16 link), FH, FL 2 x PCIe 3.0 x16 slots (single Gen3 x16 link, dual Gen3 x8/x8 link), FH, FL 2 x PCIe 3.0 x16 slots (Gen3 x8 link), FH, FL 1 x PCIe 3.0 x16 slot (Gen3 x16 link), FH, HL
Storage	SATA Controller	Intel® C621 8 x SATA3 6Gb/s ports Intel® Rapid Storage Technology Enterprise(RSTe) (For Windows Only) (Support Software RAID 0, 1, 5, 10) ASMedia® SATA 6Gb/s controller 2 x SATA3 6Gb/s ports
	SAS Controller	ASUS PIKE II 3008 8-port SAS HBA card,ASUS PIKE II 3108 8-port SAS HW RAID card 12G SAS Support
Auxiliary Storage FDD/CD/DVD		3 x 5.25" media bays(Options: No Device / DVD-RW / DVD-ROM)
Drive Bays		8 x 3.5" Hot-swap Storage Bays 1 x M.2 Socket 3, supporting type 22110/2280/2260/2242 (PCIe Gen3 x4 and SATA mode)
Networking		2 x Intel® I210AT
Graphic		Aspeed AST2500 with 64MB VRAM
Front I/O Ports		1 x Headphone port, 1 x Microphone port,2 x USB 2.0 ports,2 x USB 3.1 Gen 1 ports
Rear I/O Ports		2 x USB 3.1 Gen2 ports (1 x Type-A and 1 x Type-C™) 4 x USB 3.1 Gen1 ports 2 x USB 2.0 ports (1 supports USB BIOS Flashback) 1 x USB BIOS Flashback button, 1 x PS/2 KB port 2 x RJ-45 LAN ports 5 + 1 Audio Jacks
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,Windows® Server 2012 R2,Windows® 10 64-bit SuSE® Linux Enterprise Server,CentOS,Ubuntu,Fedora
Management Solution		ASUS Control Center (Classic) ASMB9-iKVM for KVM-over-IP (optional)
Regulatory Compliance		BSMI, CE, C-Tick, FCC(Class A)
Dimension		455mm x 217.5mm x 545mm,17.91" x 8.54" x 21.45"
Form Factor		5U/Tower
Weight		Net Weight: 18.33 Kg, Gross Weight: 23.12 Kg
Power Supply		800W 80PLUS Platinum Redundant Power Supply Module Rating: 100-127/200-240Vac,9A / 4.5A, 50 / 60Hz, Class I 1300W 80 PLUS Platinum Redundant Power Supply Rating: 100-127/200-240Vac,9A/4.5A,50/60Hz, Class I
Environment		Operating temperature: 10°C – 35°C Non operation temperature: -40°C – 70°C Non operation humidity: 20% – 90% (Non condensing)
Note		* Dual Intel® Socket P/LGA 3647 (Square) ** VROC (Virtual Raid on CPU) support, refer in the manual for detail.
MB		WS C621E SAGE