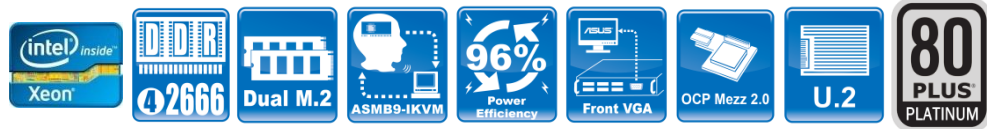


ASUS RS520-E9-RS8

Scalability and Performance 2U server



High Speed 2U storage capacity and additional OS kernel disk
RS520-E9-RS8 is equipped with 8 3.5" drive bays (4 x NVMe Supported). The hot-swappable design provides non-stop high availability, making short work of maintenance. RS520-E9-RS8 also offers great freedom when it comes to the choice of operating system drive type and placement, with two M.2 slots and two rear hot-swappable 2.5-inch SSD bays available. And because 2.5-inch drive bays offer faster transferring rate, RS520-E9-RS8 is ideal for data analytics, cloud computing, data management, and business-critical workloads.

Optimized Cooling Efficiency

RS520-E9-RS8 offers excellent thermal solution, heat dissipation and energy savings. It's even possible to adjust the fan speed manually, so you have flexible choice to meet different working environment.

ASUS PIKE II & 12G SAS Integration

ASUS PIKE II offers the latest 12Gb/s SAS together with PCI-E 3.0 solution. While ASUS latest 12Gb/s SAS doubles the data rate running at twice the speed of the previous generation, PCI-E 3.0 offers high reliability and faster speed connection. ASUS PIKE II meets user needs with support for 6Gb/s SATA and 12Gb/s SAS storage and integrated RAID data protection. Just placing the PIKE II card can immediately enlarge the capacity, improve the performance, and strengthen the signaling, making it the great upgrade option. Additionally, multiple HBAs allow multi-paths which improve over performance.

Server Management Solution

The latest ASMB9-iKVM module enables remote BIOS updates, standalone KVM/Java utilities, video recording and BSOD capture. With out-of-band management, ASMB9-iKVM provides around-the-clock remote monitoring and diagnostics — even if the server operating system is down or offline — through a user-friendly, web-based graphical interface that works with all major browsers. ASUS Control Center (ACC) is a centralized and integrated IT management platform for monitoring and controlling ASUS commercial products, including servers, workstations and digital signage. ACC enables easier server management with functions such as BIOS updating without restarting the system, remote monitoring of multiple systems via mobile devices, and one-click software updates and dispatching.

Highlights

- 8 x 3.5" hot-swap storage bays in a 2U server
- Optimized Cooling Efficiency
- Additional Storage for OS
- ASUS PIKE II & 12G SAS Integration
- Server Management Solution – ASUS Control Center IT management software and ASMB9-iKVM module support



Specification

Processor Support		2 x Socket P0 (LGA 3647) 1st Gen Intel® Xeon® Processor Scalable Family 2nd Gen Intel® Xeon® Processor Scalable Family (150W) UPI 10.4 GT/s
Core Logic		Intel® C621 PCH
Memory	Total Slots	16 (6-channel per CPU, 8 DIMM per CPU)
	Capacity	Maximum up to 4096GB
	Memory Type	DDR4 2933 (1 DIMM per Channel) DDR4 2666/2400/2133 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	4GB,8GB, 12GB, 32GB (RDIMM) 64GB,128GB(RDIMM 3DS) 32GB, 64GB,128GB(LRDIMM) 64GB,128GB ,256GB(LRDIMM 3DS) *Refer to Asus server AVL for latest update
Expansion Slots	Total PCI/PCI-X/PCI-E/PIKE Slots	6+1
	Slot Type	2 x PCI-E x16 (Gen3 x16 link), LP, HL 4 x PCI-E x8 (Gen3 x8 link), LP, HL 1 x OCP 2.0 Mezzanine (Gen3 x16 link)
	Proprietary Slot 1	-
Disk Controller	SATA Controller	Intel® Lewisburg PCH - 11 x SATA 6Gb/s ports (8 by 2 mini-SAS Connector) - 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 3008 8-port SAS HBA card ASUS PIKE II 3108 8-port SAS HW RAID card 12G SAS Support
Storage Bays	I = internal A or S will be hot-swappable	8 x 2.5" or 3.5" Hot-swap Storage Device Bays (4 x NVMe Supported) 2 x 2.5" Hot-Swap Storage Device Bays (Rear) (SATA SSD Only) 2 x M.2 (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
Auxiliary Storage Device Bay (Floppy / Optical Drive)		1 x slim-type Optical Drive Bay, Options: No Device/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 GbE LAN ports, 1 x RJ-45 Mgmt LAN port
Switch/LED		Rear Switch/LED: 1 x Q-Code/Port 80 LED, 1 x Power switch, 1 x Location switch/LED, 1 x HDD LED, 1 x Message 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 Mezzanine card use
OS Support		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
Regulatory Compliance		BSMI, CE, C-TICK, FCC (Class A)
Dimension		615mm x 444mm x 88mm (2U) 24.21" x 17.48" x 3.46"
Net Weight Kg (CPU, DRAM & HDD not included)		19.7 kg
Gross Weight Kg (CPU, DRAM & HDD not included, Packing include)		27.97 kg
Power Supply (following different configuration by region)		1+1 Redundant 800W 80 PLUS Platinum Power Supply Rating: 100-127/200-240 Vac, 9.4 A/4.72 A, 47-63 Hz, Class I
Environment		Operation temperature: 10°C ~ 35°C Non operation temperature: -40°C ~ 70°C Non operation humidity: 20% ~ 90% (Non condensing)