

ASUS RS521A-E12-RS12U Socket SP5 Rack (2U) Black, Silver

Brand : ASUS

Product code: 90SF03X1-M000C0

Product name : RS521A-E12-RS12U

AMD EPYC 9005 single-processor 2U server that supports up to 24 DIMM, 12 NVMe, five PCIe 5.0 slots, two M.2, OCP 3.0, two dual-slot GPUs, and ASUS ASMB11-iKVM

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Faster storage, graphics and networking capabilities

PCI Express® (PCIe®) 5.0 delivers 32 GT/s bandwidth, which is twice the speed of PCIe 4.0, and offers lower power consumption, better land scalability and backwards compatibility. ASUS servers are PCIe 5.0 ready with scalability design to satisfy the increasing workloads for modern data centers.

ASUS RS521A-E12-RS12U. Processor socket: Socket SP5, Processor manufacturer: AMD, Processor family: AMD. Supported memory types: DDR5-SDRAM, Maximum internal memory: 3 TB, Supported RDIMM clock speeds: 4800,6400,5600 MHz. Storage drive sizes supported: M.2,2.5,3.5, Supported storage drive types: HDD & SSD. Ethernet interface type: Gigabit Ethernet, Ethernet LAN data rates: 10,100,1000 Mbit/s, LAN controller: Intel® I350-AM2. Chassis type: Rack (2U), Product colour: Black, Silver



Processor		Ports & interfaces	
Built-in processor *	✗	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	4
Processor socket *	Socket SP5	Ethernet LAN (RJ-45) ports *	2
Processor manufacturer	AMD	IPMI LAN (RJ-45) port	✓
Processor family	AMD	VGA (D-Sub) ports quantity	1
Number of processors supported *	1	Expansion slots	
Compatible processor series	AMD EPYC 9004	PCI Express x8 slots	1
Memory		PCI Express x16 (Gen 5.x) slots	2
Number of DIMM slots *	24	Number of M.2 (M) slots	2
Supported memory types *	DDR5-SDRAM	Design	
Maximum internal memory	3 TB	Chassis type *	Rack (2U)
Supported RDIMM clock speeds	4800,6400,5600 MHz	Product colour	Black, Silver
Storage		LED indicators	✓
Number of storage drives supported *	16	Power	
Hot-swap HDD bays *	✓	Power supply *	1600 W
Number of 2.5" bays	2	80 PLUS certification	80 PLUS Titanium
Number of 3.5" bays	12	Operational conditions	
Storage drive sizes supported	M.2,2.5,3.5	Operating temperature (T-T)	10 - 35 °C
Supported storage drive types	HDD & SSD	Storage temperature (T-T)	-40 - 70 °C
Network		Storage relative humidity (H-H)	20 - 90%
Ethernet LAN	✓	Weight & dimensions	
Ethernet interface type	Gigabit Ethernet	Width	840 mm
Ethernet LAN data rates	10,100,1000 Mbit/s	Depth	449 mm
LAN controller	Intel® I350-AM2	Height	88.1 mm
		Weight	17.9 kg

Packaging data

Package weight	25.1 kg
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Catalog Object Cloud



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