

RS500A-E11-RS4U

AMD Single-socket, 1U Rack Server



1U



1



16

ASUS RS500A-E11-RS4U was designed for general purpose application. With the front 4 hot-swap bays supporting 3.5" and 2.5" drives, RS500A-E11-RS4U is the economic design for rack placement.

FEATURE

- 1 x AMD Socket SP3 (LGA-4094)
- 16 x DIMM slots support DDR4 3200 Mhz Memory
- 2 x M.2 socket support M.2 SSD
- 3 x PCIe + 1 x OCP expansion in 1U rack sever.

3rd Gen AMD EPYC™ processors with AMD 3D V-Cache™ technology

RS500A-E11 series is built on the AMD platform to deliver incredible performance, and offer more CPU cores powered by 3rd Gen AMD EPYC™ processors with AMD 3D V-Cache™ technology.

Industry-leading memory capability

With 16 x DIMM slots, RS500A-E11 Series supports total 4,096GB memory size. The CPU's memory controller supports DDR4 3200Mhz memory with 8 channels. We deliver the industry-leading technology of server memory for our customers' business.

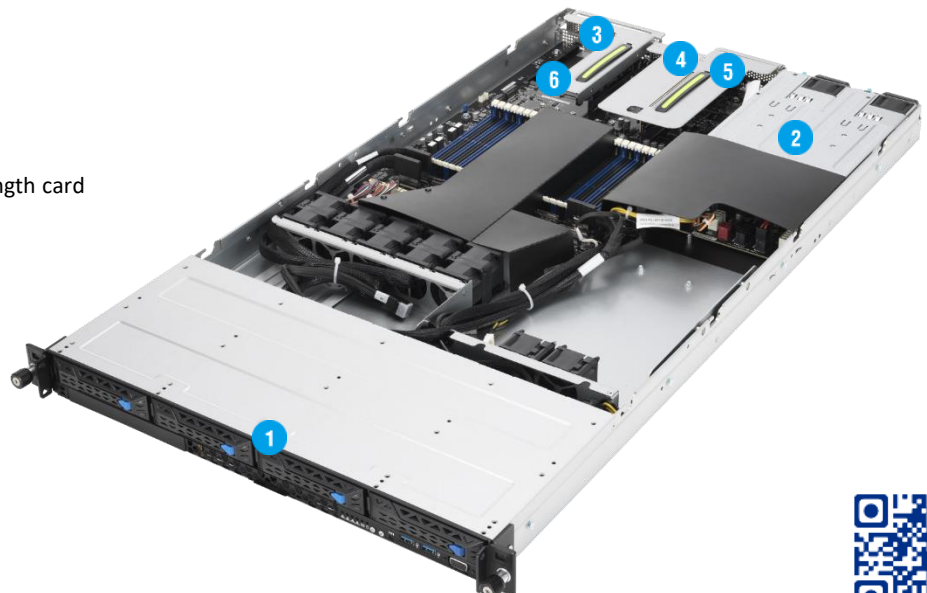
Comprehensive IT infrastructure management solution

ASUS RS500A-E11 features an embedded ASMB10-iKVM (BMC, AST2600) and is bundled with ASUS Control Center to provide comprehensive out-of-band and in-band management capability.

Target market

- General-purpose Rack Server
- Enterprise Application

1. 4 x 3.5" / 2.5" Hot-swap Storage Bays
2. 1+1 800W 80 PLUS Platinum CRPS
3. 1 x PCIe 4.0 x16 slot for full-height, half-length card
4. 1 x PCIe 4.0 x8 slot for low-profile card
5. 1 x PCIe 4.0 x16 slot for low-profile card
6. 1 x OCP 3.0 Mezzanine socket



RS500A-E11-RS4U

SPECIFICATION

Processor		1 x Socket SP3 (LGA-4094) Supports 3rd Gen AMD EPYC™ processors with AMD 3D V-Cache™ technology (up to 280W)
Memory	Total Slots	16 (8-channel, 2 DIMM per channel)
	Capacity	Up to 4,096GB
	Memory Type	DDR4 3200/2933 RDIMM/LRDIMM/LRDIMM 3DS
	Memory Size	256GB, 128GB, 64GB, 32GB, 16GB *Please refer to www.asus.com for latest memory AVL update
Expansion Slots	Total Slots	3+1
	Slot Type	1 x PCIe x16 slot (Gen4 x16 link, FH, HL) 1 x PCIe x16 slot (Gen4 x16 link, LP, HL) 1 x PCIe x8 slot (Gen4 x8 link, LP, HL) 1 x OCP3.0 socket (Gen4 x16 link)
Storage Bays		4 x 2.5" / 2.5" Hot-swap Storage Bays (Backplane supports 4 x SATA/SAS/MVMe Devices) 2 x M.2 socket (Gen4 x4 link or SATA mode, up to 22110 module)
Networking	LAN	2 x Gigabit LAN ports (Intel® I350-AM2) 1 x Dedicated management port (BMC, AST2600)
Security		TPM-SPI Module (optional) PFR Module (optional)
Front I/O Ports		-
Rear I/O Ports		2 x USB 3.2 Gen1 ports 2 x Gigabit LAN ports (RJ45) 1 x Management port (RJ45) 1 x VGA port 1 x COM port
Switch/LED		Rear: 1 x Power Button/LED 1 x Location Button/LED 1 x Message LED Front: 1 x Power Button/LED 1 x Location Button/LED 1 x Message LED 2 x LAN LED
OS Support		*Please find the latest OS support from https://www.asus.com/event/Server/OS_support_list/OS.html
Management Solution	Software	ASUS Control Center (in-band)
	Out of Band Remote Management	ASMB10-iKVM (BMC, AST2600)
Dimension		842mm x 449mm x 44mm (1U) 33.15" x 17.68" x 1.73"
Net Weight Kg (CPU, DRAM & HDD not included)		16 kg
Gross Weight Kg (CPU, DRAM & HDD not included, Packing include)		21 kg
Power Supply (following different configuration by region)		1+1 Redundant 800W 80 PLUS Platinum Power Supply 1+1 Redundant 850W 80 PLUS Titanium Power Supply
Environment		Operation temperature: 10°C ~ 35°C Non operation temperature: -40°C ~ 70°C Non operation humidity: 20% ~ 90% (Non condensing)