

RS500A-E11-RS12U

AMD Single-socket, 1U Rack Server



1U



1



16

ASUS RS500A-E11-RS12U was designed for general purpose application. With the front 12 hot-swap bays and optional internal 4 bays, RS500A-E11-RS12U 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.
- Internal 4-bay cage (optional)

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.

Amazing compact design of internal 4-bay cage option for more storage possibility

ASUS RS500A-E11-RS12U features an internal 4-bay cage option. We redefine the possibility of 1U rack from traditional image of Max. 12 storage bays to the whole new image of 16 drives support.

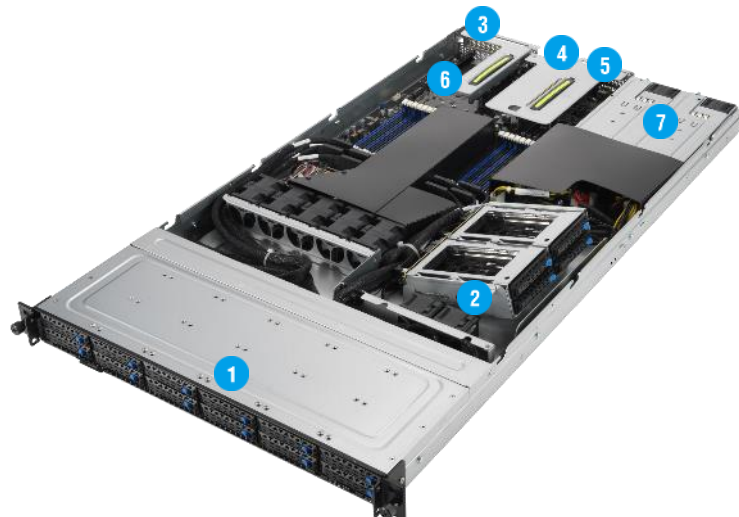
Comprehensive IT infrastructure management solution

ASUS server 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. 12 x 2.5" Hot-swap Storage Bays
2. Internal 4-bay cage (optional)
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
7. 1+1 800W 80 PLUS Platinum CRPS



RS500A-E11-RS12U

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		12 x 2.5" Hot-swap Storage Bays (Backplane supports 12 x SATA/SAS/MVMe Devices) Optional 4 x 2.5" Internal Storage Bays (backplane supports 4 x SATA/NVMe Devices)
Networking	LAN	2 x M.2 socket (Gen4 x4 link or SATA mode, up to 22110 module)
		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)		17 kg
Gross Weight Kg (CPU, DRAM & HDD not included, Packing include)		22 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)