

# RS500A-E11-RS12U

## AMD Single-socket, 1U Rack Server



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.

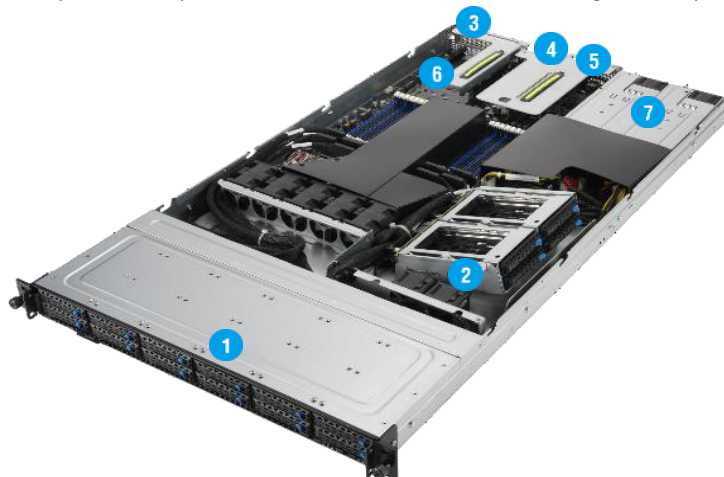
### Comprehensive IT infrastructure management solution

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

<b>Processor</b>		1 x Socket SP3 (LGA-4094) Supports 3rd Gen AMD EPYC™ processors with AMD 3D V-Cache™ technology (up to 280W)
<b>Memory</b>	<b>Total Slots</b>	16 (8-channel, 2 DIMM per channel)
	<b>Capacity</b>	Up to 4,096GB
	<b>Memory Type</b>	DDR4 3200/2933 RDIMM/LRDIMM/LRDIMM 3DS with ECC and support for Memory Channel Mirroring and Memory Rank Sparing
	<b>Memory Size</b>	256GB, 128GB, 64GB, 32GB, 16GB *Please refer to <a href="http://www.asus.com">www.asus.com</a> for latest memory AVL update
<b>Expansion Slots</b>	<b>Total Slots</b>	3+1
	<b>Slot Type</b>	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)
<b>Storage Bays</b>		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) 2 x M.2 socket (Gen4 x4 link or SATA mode, up to 22110 module)
<b>Networking</b>	<b>LAN</b>	2 x Gigabit LAN ports (Intel® I350-AM2) 1 x Dedicated management port (BMC AST2600)
<b>Security</b>		TPM-SPI Module (optional) PFR Module (optional)
<b>Front I/O Ports</b>		-
<b>Rear I/O Ports</b>		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
<b>Switch/LED</b>		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
<b>OS Support</b>		*Please find the latest OS support from <a href="https://www.asus.com/event/Server/OS_support_list/OS.html">https://www.asus.com/event/Server/OS_support_list/OS.html</a>
<b>Management Solution</b>	<b>Software</b>	ASUS Control Center (in-band)
	<b>Out of Band Remote Management</b>	ASMB10-iKVM (BMC AST2600)
<b>Dimension</b>		842mm x 449mm x 44mm (1U) 33.15" x 17.68" x 1.73"
<b>Net Weight Kg (CPU, DRAM &amp; HDD not included)</b>		17 kg
<b>Gross Weight Kg (CPU, DRAM &amp; HDD not included, Packing include)</b>		22 kg
<b>Power Supply (following different configuration by region)</b>		1+1 Redundant 800W 80 PLUS Platinum Power Supply 1+1 Redundant 850W 80 PLUS Titanium Power Supply
<b>Environment</b>		Operation temperature: 10°C ~ 35°C Non operation temperature: -40°C ~ 70°C Non operation humidity: 20% ~ 90% ( Non condensing)
<b>BIOS</b>		ASUS BIOS in Flash Memory non-volatile and electrically reprogrammable memory, UEFI technology.