

# RS300-E11 Series

## Flagship Model with Versatile Expandability



ASUS RS300-E11 series is an Intel® Xeon® E processor 1U rack server based on Intel® C252 chipset. RS300-E11 Series has high expandability with 2 expansion slots and 1 proprietary slot in a configuration. This flexible expansion offers diverse applications in graphic, storage and networking to meeting the demands of future expansion.

### FEATURE

- Intel® Xeon® processor 1U rack server
- Single LGA1200 socket
- 4 x 3.5"/2.5" Hot-swap Drive Bays support 2 x NVME or 4 x SATA/SAS
- Flexible storage combination for diverse usage
- Up to two PCIe® 4.0 slots and one PCIe® 3.0 proprietary slot to drive higher bandwidth
- Onboard ASUS ASMB10-iKVM for out-of-band management with ASPPEED AST2600 controller

### Versatile storage capability

RS300-E11 Series is the perfect choice for an operating system or application drive, making the server work as fast as possible. Four 3.5" or 2.5" hot-swap drives on front panel and one M.2 to enable extensive storage.

### PCIe 4.0 Ready

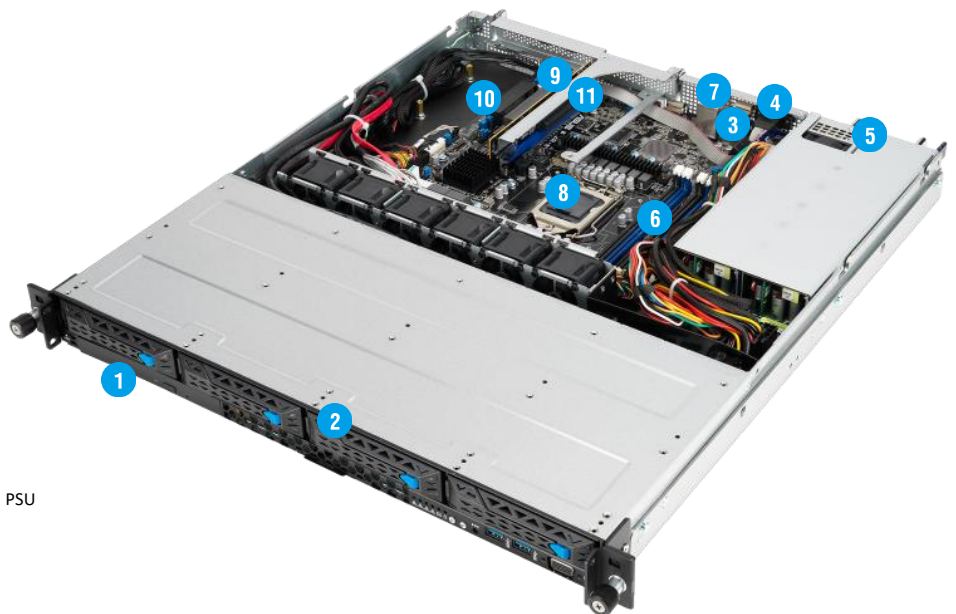
RS300-E11 servers are PCIe 4.0 ready to support a diverse array of graphics, storage and networking – enabling flexible scalability for demanding or increasing workloads..

### Server-grade connectivity

Featuring dual onboard LAN ported by Intel I210-AT Ethernet Controller, RS300-E11 Series provides server-grade connectivity and supports high-density, high-bandwidth, low-latency access-layer networks to ensure faster transfers of large-size files used in data-intensive applications.

### Target market

- Data center, front-end server
- Firewall, gateway server
- SMB print/file/mail/exchange server
- Surveillance



1. 1 x Slim type ODD (optional)
2. 4 x 3.5"/2.5" Hot-swap HDD Bays
3. 2 x USB 3.0 port
4. 1 x VGA output
5. Single 350W 80 PLUS Gold/ 1+1 450W 80 PLUS PLATINUM PSU
6. 4 x DDR4 3200/2933/2666 ECC and non-ECC UDIMM
7. 2 x Intel® I210-AT
8. Intel® LGA1200 CPU socket
9. 1 x PCIe x 16 (Gen4 x 16 link)
10. 1 x PCIe x 8 (Gen4 x 8 link)
11. 1 x Proprietary slot (Gen 3 x 4 link)
12. 1 x M.2 (up to 2280, PCIe Gen 3 x 4)

## RS300-E11 Series

## SPECIFICATION

<b>Processor Support</b>		1 x Socket LGA 1200 Intel® Xeon® E processors (up to 95W) Intel® Pentium™ processors
<b>Core Logic</b>		Intel® C252 PCH
<b>Memory</b>	<b>Total Slots</b>	4 (2-channel)
	<b>Capacity</b>	Maximum up to 128GB
	<b>Memory Type</b>	DDR4 3200/2933/2666 ECC and non-ECC UDIMM *Refer to ASUS server AVL for the latest update
	<b>Memory Size</b>	32GB, 16GB, 8GB, 4GB (UDIMM) *Refer to ASUS server AVL for the latest update
<b>Expansion Slots</b>	<b>Total PCI/PCI-X/PCI-E/PIKE Slots</b>	3
	<b>Slot Type</b>	1 x PCI-E x 16 (Gen4 x16 Link, switch to x8 link when slot B occupied), FH/HL 1 x PCI-E x 8 (Gen4 x8 Link), HH/HL 1 x PCI-E x 8 (Gen3 x4 Link), Proprietary R/A slot (optional for Intel X710 10G LAN card)
<b>Disk Controller</b>	<b>SATA Controller</b>	Intel® C252 Chipset 6 x SATA3 6Gb/s ports Intel®VROC (For Linux/Windows) (Support Software RAID 0/1/5/10)
	<b>SAS Controller</b>	ASUS PIKE II 3008-8i 8-port SAS 12G RAID card (Optional) ASUS PIKE II 3108-8i 8-port SAS 12G HW RAID card (Optional)
<b>Storage Bays</b>	<b>I = internal A or S will be hot-swappable</b>	4 x 3.5"/2.5" Hot-Swap HDD Bays, up to (2*SATA/SAS/NVMe + 2*SATA/SAS) *SAS support only from optional SAS HBA/RAID card *NVMe support only from optional NVMe upgrade kit
	<b>LAN</b>	2 x Intel® I210-AT + 1 x Mgmt LAN
<b>Graphic</b>	<b>VGA</b>	Aspeed AST2600 with 64MB VRAM
<b>I/O Ports</b>		<b>Rear I/O Ports:</b> 2 x USB 3.2 Gen 2 ports 1 x VGA port * 1 x HDMI port from CPU 1 x COM port 2 x RJ-45 ports 1 x RJ-45 ports (One for ASMB10-iKVM)(Optional) <b>Front I/O Ports:</b> 1 x VGA port* 2 x USB 3.2 Gen1 ports *Must support by ASMB10
<b>Switch/LED</b>		<b>Rear Switch/LED:</b> 1 x Q-Code/Port 80 LED 1 x Power switch <b>Front Switch/LED:</b> 1 x Power switch/LED 1 x Location switch/LED 1 x Reset switch 1 x HDD Access LED 1 x Message LED LAN 1-2 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 (Classic)
	<b>Out of Band Remote Management</b>	Optional ASMB10-iKVM for KVM-over-Internet
<b>Dimension</b>		497mm x 439.5mm x 44mm(1U)
<b>Net Weight Kg (CPU, DRAM &amp; HDD not included)</b>		10.3 kg (RS300-E11-RS4) 8.47 kg (RS300-E11-PS4)
<b>Gross Weight Kg (CPU, DRAM &amp; HDD not included, Packing include)</b>		15.3 kg (RS300-E11-RS4) 13.47 kg (RS300-E11-PS4)
<b>Power Supply (following different configuration by region)</b>		Single 350W 80 PLUS Gold PSU (RS300-E11-PS4) 1+1 450W 80 PLUS PLATINUM RPSU (RS300-E11-RS4)
<b>Environment</b>		Operation temperature: 10°C ~ 35°C Non operation temperature: -40°C ~ 70°C Non operation humidity: 20% ~ 90% ( Non condensing)