

# ESC4000A-E11

## 1-Socket 2U Accelerator Server with 4 GPUs supported



2U



1 280W TDP



8

PCI EXPRESS 4.0

OCP 3.0

ASUS ESC4000A-E11

1-socket server satisfies most of your workload needs, helping you reduce cooling expenses and licenses.

### Feature

- Total 11 x PCI-E 4.0 Expansion Slots in 2U
- 4\*PCI-E 4.0 x16 link supported for dual-slot GPUs/ Full length cards or 8\*PCI-E 4.0 x16 link with PLX SKU Board for single-slot GPUs
- 8 x 3.5"/2.5" Hot-swap HDD bays (up to 4 x NVMe Supported)
- OCP 3.0 supported

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

ASUS ESC4000A-E11 is built on the 3rd Gen AMD EPYC™ processors with AMD 3D V-Cache™ technology with double core density compared to previous generation in a single socket to increase server utilization.

### Flexible Design and Performance

- Supports up to 4 x PCI-E Gen 4.0 dual-slot GPUs/ Full length cards or 8 x PCI-E Gen 4 single-slot GPUs and 3 x PCI-E Gen4 slots for increased acceleration.
- OCP3.0 Mezzanine slot option for added networking flexibility.
- Capacity for up to 8 x 3.5" / 2.5" hot-swap storage. 4 x drive bays can be configured to support NVMe drives.

### Target market

- Streaming Media
- Cloud Computing
- Virtualized & VDI Application
- Enterprise & HPC Application

### Comprehensive IT infrastructure management solution

ASMB10-iKVM and ASUS Control Center (ACC\*)

ASUS ESC4000A-E11 features an embedded iKVM module and is bundled with ASUS Control Center to provide comprehensive out-of-band and in-band management.

1. 4 x PCI-E Gen 4.0 x16 slot for GPU/ Full length cards cards
2. 4 x PCI-E Gen 4.0 x16 slot for GPU / Full length cards cards
3. 2 x PCI-E Gen 4.0 x16 for butterfly riser cards
4. 1 x OCP 3.0 Gen 4.0 x16 Mezzanine slot
5. 1 x PCI-E Gen 4.0 x8 slot



## ESC4000A-E11

## SPECIFICATION

<b>Processor</b>		3rd Gen AMD EPYC™ processors with AMD 3D V-Cache™ technology (up to TDP 280W) AMD EPYC™ 7003/7002 Series Processor Family (up to TDP 280W)
<b>Memory</b>	<b>Total Slots</b>	8 (8-channel per CPU, 8 DIMM per CPU)
	<b>Capacity</b>	Up to 2TB
	<b>Memory Type</b>	DDR4 3200 RDIMM *Refer to ASUS server AVL for the latest update
	<b>Memory Size</b>	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 PCI/PCI-X/PCI-E/PIKE Slots</b>	11
	<b>Slot Type</b>	Full-length/Full-height: 4* PCI-E 4.0 x16 link for dual-slot GPU/ Full length cards or 8*PCI-E 4.0 at x16 link with PLX SKU Board for single-slot GPU Cards
		Half-length/Low-profile: 2 * PCI-E 4.0 x16 for butterfly riser card 1 * PCI-E 4.0 x8 for internal HBA/RAID card or OCP3.0 slot
<b>Storage Bays</b>		8 x 2.5" or 3.5" Hot-swap Storage Device Bays (up to 4 x NVMe Supported)
<b>Networking</b>	<b>LAN</b>	2 x 1Gb/s LAN ports (Intel® I350-AM2) 1 x dedicated management port
<b>Graphic</b>	<b>VGA</b>	AST2600 64MB
<b>Security</b>		TPM-SPI module (optional) PFR module (optional)
<b>Front I/O Ports</b>		4 x USB3.2 Gen1 ports
<b>Rear I/O Ports</b>		2 x USB3.2 Gen1 ports 2 x Gigabit LAN ports (RJ45) 1 x Management port (RJ45) 1 x VGA port
<b>Switch/LED</b>		Front : 1 x Power Switch/LED 1 x Location Switch/LED 1 x HDD LED 1 x Message LED 1 x Q-Code/Port 80 LED 2 x LAN LED Rear : 1 x Power switch/LED 1 x Location LED 1 x Message LED 1 x HDD Access LED
<b>OS Support</b>		Windows® Server 2019, RedHat®, SuSE®, Ubuntu, Vmware,  *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>	On-Board ASMB10-iKVM for KVM-over-IP
<b>Dimension</b>		800mm x 440mm x 88mm (2U) 31.50" x 17.22" x 3.46"
<b>Net Weight Kg (CPU, DRAM &amp; HDD not included)</b>		34 kg
<b>Gross Weight Kg (CPU, DRAM &amp; HDD not included, Packing include)</b>		44 kg
<b>Power Supply (following different configuration by region)</b>		1+1 Redundant 1600W 80 PLUS Platinum Power Supply 1+1 Redundant 2200W 80 PLUS Platinum 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)

