

ESC4000A-E10

1-Socket 2U Accelerator Server with 4 GPUs supported



2U



1 280W TDP



8

PCI EXPRESS 4.0

OCP 3.0

ASUS ESC4000A-E10

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 double-deck GPUs/ Full length cards or 8*PCI-E 4.0 x16 link for single-wide GPUs
- 8 x 3.5"/2.5" Hot-swap HDD bays (up to 4 x NVMe Supported)
- OCP 3.0 supported

AMD EPYC™ 7002 Series Platform Design

ASUS ESC4000A-E10 is built on the AMD EPYC 2nd Generation processors 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 double-deck GPUs/ Full length cards or 8 x PCI-E Gen 4 single-wide 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

ASMB9-iKVM and ASUS Control Center (ACC*)

ASUS ESC4000A-E10 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. Optional 1 x OCP 3.0 Gen 4.0 x16 Mezzanine slot or Hyper M.2 adapter card
5. 1 x PCI-E Gen 4.0 x8 slot for internal HBA/RAID card



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SPECIFICATION

Processor		AMD EPYC™ 7002 Series Processor Family (up to TDP 280W)
Memory	Total Slots	8 (8-channel per CPU, 8 DIMM per CPU)
	Capacity	Up to 2TB
	Memory Type	DDR4 3200 RDIMM *Refer to ASUS server AVL for the latest update
	Memory Size	256GB, 128GB, 64GB, 32GB, 16GB *Please refer to www.asus.com for latest memory AVL update
Expansion Slots	Total PCI/PCI-X/PCI-E/PIKE Slots	11
	Slot Type	Full-length/Full-height: 4* PCI-E 4.0 x16 link for double-deck GPUs/ Full length cards or 8*PCI-E 4.0 at x16 link with PLX SKU Board for single-deck GPU Cards Half-length/Low-profile: 2 * PCI-E 4.0 x16 for butterfly riser slot 1 * PCI-E 4.0 x8 for internal HBA/RAID card or optional OCP3.0 slot/ M.2 adapter card
Storage Bays		8 x 2.5" or 3.5" Hot-swap Storage Device Bays (up to 4 x NVMe Supported)
Networking	LAN	2 x 1Gb/s LAN ports (Intel® I350-AM2) 1 x dedicated management port
Graphic	VGA	AST2500 64MB
Security		TPM2.0
Front I/O Ports		4 x USB 3.1 ports
Rear I/O Ports		2 x USB 3.1 ports 2 x Gigabit LAN ports (RJ45) 1 x Management port (RJ45) 1 x VGA port
Switch/LED		Front : 1 x Power Switch/LED 1 x Location Switch/LED 1 x HDD Access 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
OS Support		Windows® Server 2019, RedHat®, SuSE®, Ubuntu, VMware *Please find the latest OS support from https://www.asus.com/event/Server/OS_support_list/OS.html
Management Solution	Software	ASUS Control Center (Classic)
	Out of Band Remote Management	On-Board ASMB9-iKVM for KVM-over-IP
Dimension		800mm x 440mm x 88mm (2U) 31.50" x 17.22" x 3.46"
Net Weight Kg (CPU, DRAM & HDD not included)		34 kg
Gross Weight Kg (CPU, DRAM & HDD not included, Packing include)		44 kg
Power Supply (following different configuration by region)		1+1 Redundant 1600W 80 PLUS Platinum Power Supply 1+1 Redundant 2200W 80 PLUS Platinum Power Supply
Environment		Operation temperature: 10°C ~ 35°C Non operation temperature: -40°C ~ 70°C Non operation humidity: 20% ~ 90% (Non condensing)