ESC4000-E10

2-Socket 2U Accelerator Server with 4 GPUs supported

intel

Form Factor 2U | CPU Number 2 205W TDP | Memory Number 16

PCI EXPRESS 4.0 | OCP 3.0

ASUS ESC4000-E10
2-socket server satisfies most of your workload needs, helping you reduce cooling expenses and licenses.

Feature

- Total 11 x PCIe 4.0 Expansion Slots in 2U Server
- 4 x PCIe 4.0 x16 link for dual-slot GPU cards or 8 x PCI-E 4.0 x8 link for single-slot GPU cards.
- 8 x 3.5”/2.5” Hot-swap Storage bays (up to 8 x NVMe drive support)
- OCP 3.0 support (optional)

Target market

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

Intel® Xeon® Scalable Platform Design

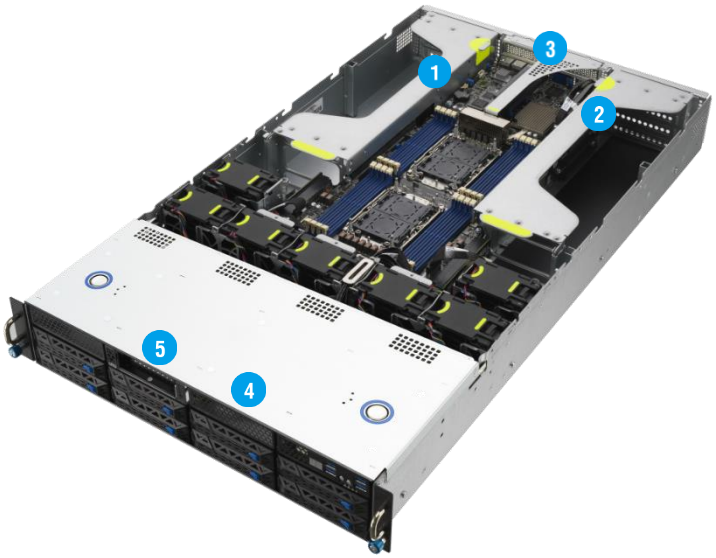
ASUS ESC4000-E10 is built on the 3rd Generation Intel® Xeon® Scalable Processors with more core density compared to previous generation in dual sockets to increase server utilization.

Flexible Design and Performance

- Supports up to 4 x PCIe Gen 4.0 dual-slot GPU cards or 8 x PCIe Gen 4 single-slot GPU cards, and 3 x PCIe Gen4 slots for low-profile network adapters or other expansion cards.
- OCP3.0 Mezzanine slot option for added networking flexibility.
- Capacity for 8 x 3.5“ / 2.5’’ hot-swap storage bays. Max. 8 x storage bays can be configured to support NVMe drives.

Comprehensive IT infrastructure management solution

ASUS ESC4000-E10 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.



1. 4 x PCIe 4.0 x16 slot for GPU/ full height, full length cards
2. 4 x PCIe 4.0 x16 slot for GPU/ full height, full length cards
3. 2 x PCIe 4.0 x16 for NIC/ low-profile cards
4. 1 x OCP 3.0 Mezzanine slot board (optional) or 4 x M.2 sockets board (optional).
5. 1 x PCIe 4.0 x8 slot for HBA/RAID card

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SPECIFICATION

Processor		Dual socket P+ (LGA 4189) 3rd Generation Intel® Xeon® Scalable Processors Support (up to 205W)
Memory	**Total Slots**	16 (8-channel per CPU)
	Capacity	Up to 2TB
	Memory Type	DDR4 3200/2933 RDIMM Intel® Optane™ Persistent Memory
	Memory Size	256GB, 128GB, 64GB, 32GB, 16GB *Please refer to www.asus.com for latest memory AVL update
Expansion Slots	**Total Slots**	11
	Slot Type	Rear: - 4 x PCIe x16 slots (Gen4 x16 link, FH,FL) for dual-slot GPU cards or 8 x PCIe x16 slots (Gen4 x8 link, FH,FL) for single-slot GPU cards - 2 x PCIe x16 slots (Gen4 x16 link, LP,HL) Front: - SKU-1 (default) 1 x PCIe x8 slot (Gen4 x8 link, LP,HL) 4 x M.2 sockets (Gen4 x4 link, up to 22110 module) - SKU-2 (by request) 1 x PCIe x8 slot (Gen4 x8 link, LP,HL) 1 x OCP3.0 slot (Gen4 x16 link) - SKU-3 (by request) N/A
Storage Bays		8 x 2.5" or 3.5" Hot-swap Storage Bays (Backplane Supports 8 x SATA/SAS/NVMe Devices*) 1 x M.2 socket (Gen4 x4 link, up to 2280 on-motherboard)
Networking	**LAN**	2 x Gigabit LAN ports (Intel® I350-AM2) 1 x dedicated management port (BMC AST2600)
Security		TPM / PFR Module (optional)
Front I/O Ports		4 x USB 3.2 Gen1 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
Switch/LED		Front : 1 x Power Button/LED 1 x Location Button/LED 2 x LAN LED 1 x Message LED 1 x HDD Access LED 1 x Q-Code/Port 80 LED Rear : 1 x Power Button/LED 1 x Location LED 1 x Message LED 1 x HDD Access 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 (out-of-band/BMC AST2600)
Dimension		800mm x 440mm x 88mm (2U) 31.50" x 17.22" x 3.46"
Net Weight Kg (Barebone without packing)		34 kg
Gross Weight Kg (Barebone with pacling)		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)
Note		*Users need to remove Slimline cables from the PCIe riser board & OCP3.0 slot board, and re-connect the cables to the backplane to support up to 8 x NVMe devices.