ESC8000A-E11

2-Socket 4U Accelerator Server with 8 GPUs supported

| Form Factor | 4U | CPU Number | 2 / 280W TDP | Memory Number | 32 |

PCI EXPRESS 4.0   OCP 3.0

EPYC

ASUS ESC8000A-E11
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 4U Server
- 8 x PCIe 4.0 x16 link for dual-slot GPU cards.
- 8 x 3.5"/2.5" Hot-swap Storage bays (up to 8 x NVMe drive support via the RAID card)
- OCP 3.0 support (optional)

Target market

- AI / Deep Learning
- Cloud Computing
- Virtualized & VDI Application
- Enterprise & HPC Application

AMD EPYC™ 7003 series processor support

ESC8000A-E11 series is built on the AMD platform to deliver incredible performance, and offer more CPU cores powered by AMD EPYC 7003 series processors.
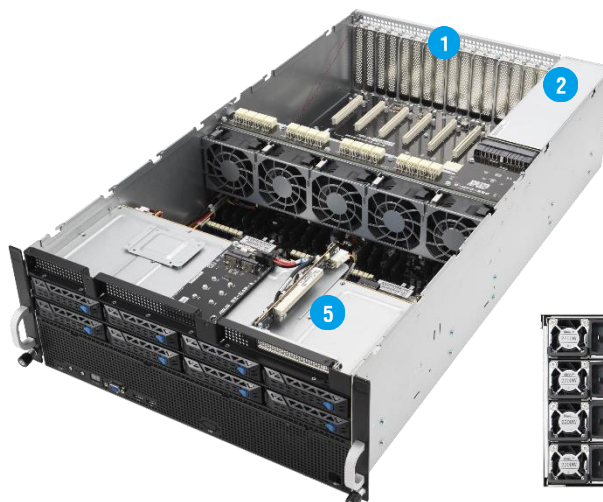
Flexible Design and Performance

- Supports up to 8 x PCIe Gen 4.0 dual-slot GPU cards, and up to another 3 x PCIe Gen4 slots for PCIe network adapters or other expansion cards.

- Optional OCP3.0 NIC socket support for networking flexibility.

- Capacity for 8 x 3.5" / 2.5'' hot-swap storage bays, and the backplane could be configured to support 8 x NVMe drives. (Additional NVMe RAID card is needed.)

Comprehensive IT infrastructure management solution

ASUS ESC8000A-E11 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. 8 x PCIe x16 slots (Gen4 x16 link) for dual-slot GPU cards.
2. 2+2 3000W/2200W CRPS support.
3. 1 x PCIe x16 slot (Gen4 x16 link) full height, or OCP3.0 NIC socket for network adapters (optional).
4. 1 x PCIe x8 slot (Gen4 x8 link) low-profile (optional).
5. 1 x PCIe x16 slot (Gen4 x8 link) for HBA/RAID cards. (optional)

ESC8000A-E11

SPECIFICATION

Processor		2 x Socket SP3 (LGA-4094) Supports AMD EPYC™ 7002 & 7003 series processors (up to 280W)
Memory	**Total Slots**	32 (8-channel per CPU)
	Capacity	Up to 4TB
	Memory Type	DDR4 3200 RDIMM/LRDIMM
	Memory Size	128GB, 64GB, 32GB, 16GB *Please refer to www.asus.com for latest memory AVL update
Expansion Slots	**Total Slots**	11
	Slot Type	Rear: - 8 x PCIe x16 slots (Gen4 x16 link, FH,FL) for dual-slot GPU cards - 1 x PCIe x16 slot (Gen4 x16/x8 link, FH,HL) or OCP3.0 NIC socket (optional) - 1 x PCIe x8 slot (Gen4 x8 link, LP,HL) (optional) Front: - 1 x PCIe x16 slot (Gen4 x8 link, FH,HL) for HBA/RAID cards (optional)
Storage Bays		8 x 2.5" or 3.5" Hot-swap Storage Bays (Backplane Supports 8 x SATA/SAS/NVMe Devices*)
Networking	**LAN**	1 x dedicated management port (BMC AST2600)
Security		TPM / PFR Module (optional)
Front I/O Ports		2 x USB 3.2 Gen1 ports 1 x VGA port
Rear I/O Ports		1 x Management port (RJ45)
Switch/LED		Front : 1 x Power Button/LED 1 x Location Button/LED 1 x Message LED 1 x HDD Access LED 1 x Q-Code/Port 80 LED 1 x COM port (optional) Rear : N/A
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 439mm x 175.6mm (4U) 31.4" x 17.22" x 6.92"
Net Weight Kg (Barebone without packing)		39 kg
Gross Weight Kg (Barebone with pacling)		49 kg
Power Supply (following different configuration by region)		2+2 Redundant 2200W 80 PLUS Platinum Power Supply or 2+2 Redundant 2200W 80 PLUS Titanium Power Supply or 2+2 Redundant 3000W 80 PLUS Titanium Power Supply
Environment		Operation temperature: 10℃ ~ 35℃ Non operation temperature: -40℃ ~ 70℃ Non operation humidity: 20% ~ 90% (Non condensing)
Note		*for SATA/SAS/NVMe drives support, An additional HBA/RAID card is needed.