

ESC8000A-E11

2-Socket 4U Accelerator Server with 8 GPUs supported



ASUS ESC8000A-E11

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

Form Factor / 4U

CPU Number / 2 280W TDP

Memory Number / 32

PCI EXPRESS 4.0 OCP 3.0

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

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

ESC8000A-E11 series is built on the AMD platform to deliver incredible performance, and offer more CPU cores powered by 3rd Gen AMD EPYC™ processors with AMD 3D V-Cache™ technology.

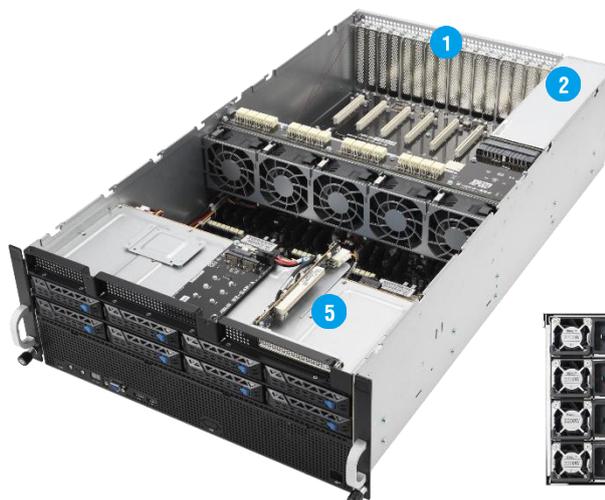
Flexible Design and Performance

- 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 3rd Gen AMD EPYC™ processors with AMD 3D V-Cache™ technology (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 4 x SATA/SAS + 4 x SATA/SAS/NVMe Devices*) *for SATA/SAS drives support, an additional HBA/RAID card is required. | |
| 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://servers.asus.com/support/os | |
| 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 packing) | | 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°C ~ 35°C Non operation temperature: -40°C ~ 70°C Non operation humidity: 20% ~ 90% (Non condensing) | |
| Note | | To support NVMe drives, from CPU direct signal, the Max. Qty is 2. If users equip with Broadcom 9560-16I card, the Max. Qty of NVMe SSD is 4. | |