ESC8000-E11 is an 5th Gen Intel® Xeon® Scalable Processors dual-socket server built for the demands of enterprise AI infrastructure to deliver unprecedented performance with industry-leading GPUs, faster GPU interconnect and higher-bandwidth fabric, and supports up to eight dual-slot active or passive GPUs scalable configuration with a choice of NVIDIA NVLink® Bridge to enable scaling of performance with increased bandwidth — ready to match your AI and HPC workloads.

**FEATURE**
- 5th Gen Intel® Xeon® Scalable Processors
- PCIe 5.0 Ready
- 2+2 Redundant 80 PLUS Titanium Power Supply
- GPU and Bluefield DPU Support
- Comprehensive cooling solutions
- Enhanced Security

**Target market**
- Virtual Machines
- Data Center
- HPC
- AI Training
- All-flash Storage
- HCI

**5th Gen Intel® Xeon® Scalable Processors**
Powered by 5th Gen Intel® Xeon® Scalable Processors with 8-channel, up to 5600 MHz DDR5 and support for a maximum TDP of up to 350 watts per socket

**PCIe 5.0 Ready**
PCI Express® (PCIe®) 5.0 delivers 32 GT/s bandwidth, which is double the speed of PCIe 4.0, offering lower power consumption, better lane scalability and backwards compatibility.

**2+2 Redundant 80 PLUS Titanium Power Supply**
ESC8000-E11 supports up to four 3000W 80 PLUS® Titanium redundant power supplies to reduce operating costs and enable easier servicing.

**GPU and Bluefield DPU Support**
Up to eight dual-slot active or passive GPUs, NVIDIA NVLink® bridge, and NVIDIA Bluefield DPU support to enable performance scaling

**Enhanced Security**
ASUS servers also include support Trusted Platform Module 2.0 (TPM 2.0) to secure hardware through integrated cryptographic keys and offer regular firmware update for vulnerabilities.

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1. Asset Tag
2. 32 x DIMM, DDR5 S60Q/S62Q/4800/4400 RDIMM/ 3DS RDIMM
3. 2 x 5th Gen Intel® Xeon® Scalable Processors
4. 1 x M.2 (Up to 22110)
5. 1 x PCIe slot for NIC (Gen5 x16 link)
6. 1 x PCIe slot for NIC (Gen5 x8 link) or DCP3.0 (Gen5 x16 links)
7. 1 x PCIe slot for HBA/RAID cards (Gen5 x8 link,LP,HL)
8. 8 x PCIe slot for GPU (Gen5 x16 link, support up to eight dual slot GPU)
9. 2+2 Redundant 2600W/3000W 80 PLUS Titanium Power Supply
10. 8 x 3.5” Hot-swap HDD Bays
## Processor Support
- Dual Socket

### Core Logic
- 4th Gen Intel® Xeon® Scalable Processors Family (350w)
- 5th Gen Intel® Xeon® Scalable Processors Family (350w)

### Memory
- **Total Slots**: 32 x DIMM slots (8 channel per CPU, 16 DIMM per CPU, 2DPC)
- **Capacity**: Maximum up to 4 + 8 TB (DDR5 + Crow Pass)
- **Memory Type**: DDR5 5600/5200/4800/4400 RDIMM/3D RDIMM
- **Memory Size**: 64GB, 32GB, 16GB RDIMM
- 256GB, 128GB RDIMM 3DS

**Refer to ASUS server AVL for the latest update**

### Expansion Slots
- **Total PCI/PCI-E/PIKE Slots**: 11
- **Slot Type**:
  - 1 x PCIe x8 slot (Gen5, LP, HL) for HBA/RAID cards
  - 8 x PCIe x16 slot (Gen5, FH, FL) for dual-slot GPU card
  - 1 x PCIe x16 slot (Gen5, FH, FL) for NIC card
  - 1 x PCIe x8 slot (Gen5 FH, FL) for NIC Card or Gen5 x16 OCP socket option

### Disk Controller
- **SATA Controller**: 8 x SATA 6Gbps ports (by MiniSAS-HD)
- **SAS Controller**: Optional kits:
  - Broadcom MegaRAID 9560-16i
  - Broadcom MegaRAID 9540-8i
  - ASUS PIKE II 3008 8-port HBA Card
  - ASUS PIKE II 3108 8-port HW RAID Card

### Storage Bays
- **I = internal**
- **A or S will be hot-swappable**
- 8 x 3.5" Front Hot-swap Storage Bays
  (backplane supports up to 8 x NVMe/SATA/SAS*)

*SAS support required an HBA/RAID card.

### Networking
- **LAN**: 2 x 10GbE LAN ports (RJ45, X710-AT2)
  or 2 x Gigabit LAN ports (RJ45, I350-AM2)
  1 x Management Port (RJ45)

### Graphic
- **VGA**: Aspeed AST2600 64MB

### Front I/O Ports
- 2 x USB 3.2 Gen1 ports
- 1 x VGA port

### Rear I/O Ports
- 1 x COM port
- 2 x 10GbE/1GbE LAN ports (RJ45, build for order)
- 1 x Management port (RJ45)

### Switch/LED
- **Front Switch/LED**:
  - 1 x Power Button w/LED, 1 x Location Button w/LED, 1 x Message LED,
  - 1 x Q-Code/Port 80 LED, 1 x Clear CMOS LED, 1 x Reset LED, 1 x M.2 LED
- **Rear Switch/LED**:
  - 1 x Power Button w/LED, 1 x Location Button w/LED

### OS Support
- Windows Server
- RedHat® Enterprise Linux, SuSE® Linux Enterprise Server, CentOS, 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 ASMB11-iKVM for KVM-over-IP

### Dimension
- 800mm x 440mm x 174.5 mm (4U)
- 31.5"x17.32"x 6.87"

### Net Weight Kg (CPU, DRAM & HDD not included)
- 27 kg

### Gross Weight Kg (CPU, DRAM & HDD not included, Packing include)
- 52 kg

### Power Supply
- 2+2 Redundant 2600W/3000W 80 PLUS Platinum Power Supply
- 2+1 Redundant 3000W 80 PLUS Platinum Power Supply
- Rating: 220-240 Vac, 15.5A(x4), 50-60 Hz

### Environment
- **Operation temperature**: 10°C ~ 35°C
- **Non operation temperature**: -40°C ~ 70°C
- **Non operation humidity**: 20% ~ 90% (Non condensing)
FEATURE
• Font type / Calibri
• Color / BK

Title
Introduce example paragraph With 32 DIMM slots that support up to 2TB of fast, DDR4-3200MHz 3DS ECC RDIMMs or LRDIMMs, ASUS RS720A-E11-RS24U delivers industry-leading memory capability for your business.

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Rules:
Color : #002F87 | Look: Modules: Light roundness , Eyes: Roundness and circle
Size: 2.08 x 2.08 cm