

# EG500-E11-RS4-R

## Intel Single-Socket, 1U Edge Server



ASUS EG500-E11 was designed for Short-depth chassis and rear access design for industrial edge workloads  
1U Intel single-socket compact edge server with redundant AC PSU for datacenter or server room environments  
Scalable expansion with support for 3 FHHL cards for GPUs, 2 internal SATA (650W/short PSU only), 2 external SATA/Nvme, 2 M.2 and 2 E1.S.

### FEATURE

- 8 x DDR5 4800 Mhz DIMM support
- 2 x M.2 socket support
- Powered by single-socket 4th Gen Intel Scalable processors.
- 3 x PCIe expansion in 1U rack sever.
- Support GPUs in short-depth chassis
- CPU maximum TDP of up to 350W with 8 DIMMs and support.
- 2 x Intel X710 10GbE Base-T ports+1 x Management port

### Target market

- Multi-Access Edge Computing
- Virtual Machines
- Network Function Virtualization
- Industrial usage
- Edge AI Inferencing

### Powered by 4<sup>th</sup> Gen Intel Xeon SP processors

The 4th Gen Intel® Xeon® Scalable Processors are designed to accelerate performance across the fastest-growing workloads that businesses depend on today Built-in accelerators improve performance across AI, analytics, networking, storage, and HPC. ASUS EG500-E11 series supports single Intel Scalable processors to enable up to 8 DIMM slots, all flash and PCIe Gen 5.0

### NVIDIA GPU Support

Up to 1 dual-slot GPU in 1U system and optimized acceleration for workloads across cloud, data center and for hybrid cloud environment

### PCIe 5.0 Ready

PCI Express® (PCIe®) 5.0 delivers 32GT/s bandwidth, which is twice the speed of PCIe 4.0, and offers lower power consumption, better land scalability and backwards compatibility.

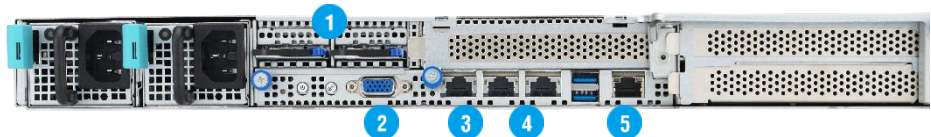
### Enhanced Security

PFR FPGA as the platform Root-of-Trust solution for firmware resiliency Trusted Platform Module 2.0 (TPM 2.0) to secure hardware through integrated cryptographic keys and offer regular firmware update for vulnerabilities.

### Comprehensive IT infrastructure management solution

ASUS EG500-E11 series features an embedded ASMB11-iKVM (BMC, AST2600) and is bundled with ASUS Control Center to provide comprehensive out-of-band and in-band management capability.

1. 2 x E1.S modules\*
2. VGA port
3. Management LAN port
4. Dual 10G LAN port
5. RJ45 Console port



\*Optional, cannot be purchased separately  
Please select it when purchasing order and we will have assembling and standard testing before ship

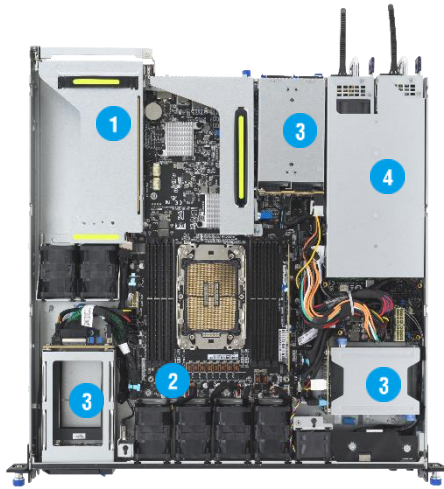
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## SPECIFICATION

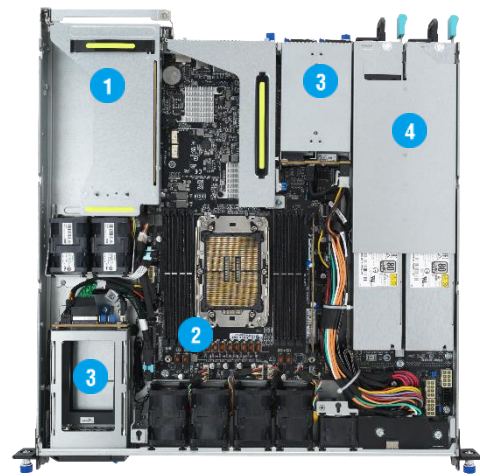
<b>Processor</b>		1 x Socket E (LGA 4677) 4th Gen Intel® Xeon® Processor Scalable Family (Up to 350W)
<b>Memory</b>	<b>Total Slots</b>	8 (8-channel, 1 DIMM per channel)
	<b>Capacity</b>	Up to 2TB
	<b>Memory Type</b>	DDR5 4800 RDIMM/LRDIMM/LRDIMM 3DS
	<b>Memory Size</b>	256GB, 128GB, 64GB, 32GB, 16GB *Refer to ASUS server AVL for the latest update
<b>Expansion Slots</b>	<b>Total Slots</b>	3
	<b>Slot Type</b>	3 x PCIe G5 x16 link (FHHL)
<b>Storage Bays</b>		2x E1.S (optional) + 2x Int. SATA (optional) + 2x ext. SATA for 650W/Short PSU 2x E1.S (optional) + 2x ext. SATA for 1300W/Long PSU
<b>Networking</b>	<b>LAN</b>	2 x M.2 (22110/2280, PCIe)
		2 x X710 10G LAN Ports 1 x Dedicated management port (BMC, AST2600)
<b>Security</b>		Optional TPM-SPI module Optional PFR module(by request)
<b>Front I/O Ports</b>		2 x USB 3.2 Gen1 ports 1 x VGA port
<b>Rear I/O Ports</b>		1 x VGA port 2 x USB 3.2 Gen1 ports 2 x RJ-45 10G LAN port 1 x RJ-45 Mgmt. LAN port 1 x RJ-45 Console port
<b>Switch/LED</b>		<p>Front Switch/LED: 1 x Power Switch w/ LED 1 x Location Switch w/ LED 1 x Message LED 1 x reset button</p> <p>Rear Switch/LED: 1 x Power Switch (w/ LED) 1 x Location Switch (w/ LED) 1 x Message LED 2 x LAN LED 1 x HDD LED 1 x reset button</p>
<b>OS Support</b>		*Please find the latest OS support from <a href="https://www.asus.com/event/Server/OS_support_list/OS.html">https://www.asus.com/event/Server/OS_support_list/OS.html</a>
<b>Management Solution</b>	<b>Software</b>	ASUS Control Center (in-band)
	<b>Out of Band Remote Management</b>	ASMB11-iKVM (BMC, AST2600)
<b>Dimension</b>		430mm x 438.5mm x 43.7mm
<b>Net Weight Kg</b>		15.5kg (approximate) (CPU, DRAM & HDD not included)
<b>Gross Weight Kg</b>		17kg (approximate) (CPU, DRAM & HDD not included, Packing include)
<b>Power Supply (following different configuration by region)</b>		1+1 Redundant 650W 50.5MM SLIM Platinum Power Supply 1300W 50.5MM SLIM Platinum Power Supply *Titanium Power Supply is planning
<b>Environment</b>		Operation temperature: 10°C ~ 35°C Non operation temperature: -40°C ~ 60°C Non operation humidity: 20% ~ 90% ( Non condensing) Note:Operating Temperature based on configurations

# Top view

### EG500-E11-RS4-R



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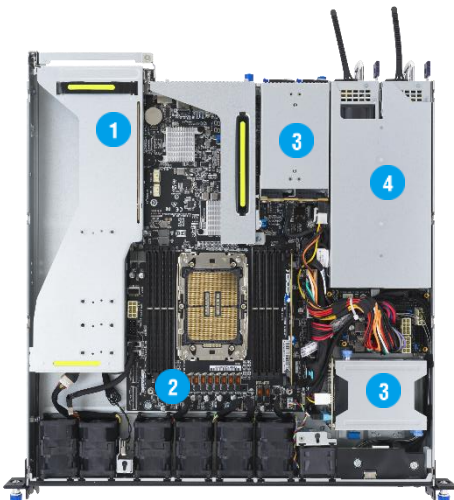
#### Front I/O, External 2.5" Bays

- 1 3x FHHL cards (x16/x16x16)
- 2 2x M.2
- 3 2x E1.S\* + 2x Internal SATA\* + 2x external SATA/NVME
- 4 Redundant AC/DC PSU (650W PSU)

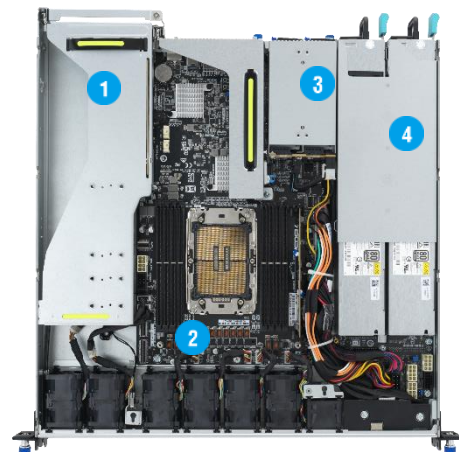
#### Front I/O, External 2.5" Bays

- 1 3x FHHL cards (x16/x16/x16)
- 2 2x M.2
- 3 2x E1.S module\* + 2x external SATA/NVME
- 4 Redundant AC/DC PSU (1300W PSU)

### EG500-E11-RS2-R



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#### Front I/O, FHFL Card

- 1 1x FHHL cards (x16)+ 2x FHFL cards (x16/x16)
- 2 2x M.2
- 3 2x E1.S module\* + 2x Internal SATA\*
- 4 Redundant AC/DC PSU (650W PSU)

#### Front I/O, FHFL Card

- 1 1x FHHL card (x16)+ 2x FHFL cards (x16/x16)
- 2 2x M.2
- 3 2x E1.S module\*
- 4 Redundant AC/DC PSU (1300W PSU)

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