ASUS EG520-E11 was designed for Short-depth chassis and rear access design for industrial edge workloads. 2U Intel single-socket compact edge server with redundant AC PSU for datacenter or server room environments. Scalable expansion with support for 2 FHHL card, 3 FHFL cards, 4 SATA, 2 SATA/NVME and 2 M.2.

**FEATURE**
- 8 x DDR5 5600 Mhz DIMM support
- 2 x M.2 socket support
- Powered by single-socket 5th Gen Intel Scalable processors.
- 5 x PCIe expansion in 2U rack server.
- Support GPUs in short-depth chassis
- CPU maximum TDP of up to 350W with 8 DIMMs and support.
- 2 x Intel 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 5th Gen Intel Xeon SP processors**
The 5th 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 EG520-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 2 dual-slot GPU in 2U 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 EG520-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. VGA port
2. Management LAN port U45
3. Dual 10G LAN port
4. RJ45 Console port
## EG520-E11-RS6-R

### Processor
- 1 x Socket E (LGA 4677)
- 5th Gen Intel® Xeon® Processor Scalable Family (Up to 350W) or
- 4th Gen Intel® Xeon® Processor Scalable Family (Up to 350W)

### Memory
- **Total Slots:** 8 (8-channel, 1 DIMM per channel)
- **Capacity:** Maximum 2048GB
- **Memory Type:**
  - 4th: DDR5 4800 MHz RDIMM/3DS RDIMM (1DPC)
  - 5th: DDR5 5600 MHz RDIMM/3DS RDIMM (1DPC)
- **Memory Size:**
  - 256GB, 128GB, 64GB, 32GB, 16GB
  - *Refer to ASUS server AVL for the latest update*

### Expansion Slots
- **Total Slots:** 5
- **Slot Type:**
  - 1x FHHL card (x16) or 2x FHHL (x8/x8)+
  - 2x FHFL cards (x16/x16) or 3x FHFL cards (x16/x8/x8)

### Storage Bays
- 2x 2.5" Front Hot-swap drive bays (NVME/SATA)+
- 4x 2.5" Rear Hot-swap drive bays (SATA)
- 2x M.2 (22110/2280, Gen5 x4 Link)

### Networking
- **LAN:**
  - 2 x 10GbE LAN port
  - 1 x Dedicated management port (BMC, AST2600)

### Security
- Optional TPM-SPI module
- Optional PFR module(by request)

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

### Rear I/O Ports
- 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

### Switch/LED
- **Front Switch/LED:**
  - 1 x Power Switch w/ LED
  - 1 x Location Switch w/ LED
  - 1 x Message LED
  - 1 x reset button
- **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

### 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:**
  - ASMB11-iKVM (BMC, AST2600)

### Dimension
- 430mm x 438.5mm x 87mm (2U)
- 16.93" x 17.26" x 3.43"

### Net Weight Kg
- 20.5kg (approximate) (CPU, DRAM & HDD not included)

### Gross Weight Kg
- 22kg (approximate) (CPU, DRAM & HDD not included, Packing include)

### Power Supply
- (following different configuration by region)
  - 1+1 Redundant
  - 1300W 50.5MM SLIM Platinum Power Supply
  - 2000W 54.5MM SLIM Titanium* Power Supply (planning)

### Environment
- **Operation temperature:** 10°C ~ 55°C (Selected configuration, non GPU SKU)
- **Non operation temperature:** -40°C ~ 70°C
- **Non operation humidity:** 20% ~ 90% (Non condensing)
- **Note:** Operating Temperature based on configurations
  - Certain key parts may be supported only at 35°C Ambient

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