

RS700-E10-RS4U

Scalable, High Performance 1U Server



1U



CPU Number

2



Memory Number

32

ASUS RS700-E10-RS4U is a server powered 3rd Gen Intel Xeon Scalable processors that supports up to 32 DIMMs, one dual-slot GPU, 4 NVMe, three plus one PCIe slots, one OCP 3.0, one M.2 and ASUS ASMB10-iKVM.

FEATURE

- Powered by dual-socket 3rd Gen Intel Scalable processors
- CPU maximum TDP of up to 270 With 32 DIMMs and support
- GPU-optimized design allows one dual-slot GPU for AI workloads
- Up to 4 all-flash NVMe
- Up to three PCIe® 4.0 slots
- Flexible onboard LAN-module design
- Flexible air- and liquid-cooling solution

3rd Gen Intel Xeon Scalable processors

The latest Intel Xeon scalable processors offer up to 1.42x more cores per CPU and 1.52x computing performance increase. ASUS RS700-E10-RS4U supports dual Intel Scalable processors to enable up to 32 DIMM slots, all flash and PCIe Gen 4.0.

PCIe 4.0 Ready

PCI Express® (PCIe®) 4.0 delivers 16 GT/s bandwidth, which is double the speed of PCIe 3.0, offering lower power consumption, better lane scalability and backwards compatibility.

GPU and FPGA Support

Up to one dual-slot GPUs such as NVIDIA A100 in one 1U system and optimized acceleration for workloads across cloud, data center and for hybrid cloud environment.

Cooling Solutions

Air or liquid-cooled solutions. Asetek's Direct-to-Chip (D2C) liquid-cooling technology achieving lower power-usage effectiveness (PUE) and optimized TCO for data centers.

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.

RS700-E10-RS4U

SPECIFICATION

| | | |
|----------------------------|---|--|
| Processor Support. | | 2 x Socket P+ (LGA 4189) 3rd Gen Intel® Xeon® Scalable Processors Family(270w) UPI (11.2 GT/s) |
| Core Logic | | Intel® C621A Chipset |
| Memory | Total Slots Capacity Memory Type Memory Size | 32 (8-channel per CPU, 16 DIMM per CPU) Maximum up to 6TB DDR4 3200/2933 RDIMM/LR-DIMM/LR-DIMM 3DS *Refer to ASUS server AVL for the latest update 64GB, 32GB, 16GB, 8GB RDIMM 256GB, 128GB, 64GB RDIMM 3DSB 128GB, 64GB LRDIMM 128GB LR-DIMM 3DS 512GB, 256GB, 128GB Intel® Optane™ DC persistent memory 200 Series (DCPMM) |
| Expansion Slots | Total PCI-E/PIKE Slots Slot Type | 3+1 1 x PCIe x16 (Gen4 x16 link), FH, HL (CPU1) 1 x PCIe x16 (Gen4 x16 link), FH, HL or OCP3.0 (CPU2) 1 x PCIe Gen4 x8 or x16, LPHL (if PCIe M.2 is in use, it will operate at x8 link) (CPU2) Proprietary Slot: 1 x PCIe x8 (Gen4 x8 link), LP (Internal Slot for PIKE) (CPU1) |
| Disk Controller | SATA Controller SAS Controller | Intel® PCH C621A - 12 x SATA 6Gb/s ports - Intel® RSTe: Support software RAID 0, 1, 10 & 5 - Intel® VROC: Support software RAID 0, 1, 10 & 5, 50 Optional kits: ASUS PIKE II 3008 8-port SAS 12Gb/s HBA card ASUS PIKE II 3108 8-port SAS HW 12Gb/s RAID card |
| Storage Bays | I = internal A or S will be hot-swappable | Front bays 4 x 3.5" hot-swap bay with NVMe support --4 x NVMe/SAS*/SATA *SAS support only from SAS HBA/RAID card |
| Networking | LAN | Optional 1 x Quad Port Intel I350-AM4 1G LAN Controller or 1 x Dual Port Intel X710-AT2 Gigabit 10G LAN Controller Default Management Port |
| Graphic | VGA | Aspeed AST2600 64MB |
| Front I/O Ports | | N/A |
| Rear I/O Ports | | 2 x USB 3.2 Gen1 ports 1 x VGA port 1 x RJ-45 Mgmt LAN port 4/2 x NIC ports* 1 x OCP 3.0 port (optional) * The number of NIC ports available depends on the LAN Controller card installed. |
| Switch/LED | | Front Switch/LED: 1 x Power Switch (w/ LED) 1 x Reset Switch 1 x Location Switch (w/ LED) 1 x HDD Access LED* 1 x Message LED LAN 1/3 and 2/4 LED (on NIC module)** * The HDD Access LED is only functional when an ASUS PIKE II card is installed and connected. ** The number of LAN LEDs available depends on the LAN Controller card installed. Rear Switch/LED: 1 x Port 80 LED (Q-Code) 1 x Power Switch w/ LED 1 x Location Switch w/ LED |
| OS Support | | Please find the latest OS support from http://www.asus.com/ |
| Management Solution | Software Out of Band Remote Management | ASUS Control Center (Classic) On-Board ASMB10-iKVM for KVM-over-IP |

RS700-E10-RS4U

SPECIFICATION

| | |
|--|--|
| Dimension | 842.5mm x 439.5mm x 44mm (1U) |
| Net Weight Kg (CPU, DRAM & HDD not included) | 13.7 kg |
| Gross Weight Kg (CPU, DRAM & HDD not included, Packing include) | 22.56 kg |
| Power Supply (following different configuration by region) | 1+1 Redundant 800W 80 PLUS Platinum Power Supply 1200W 80 PLUS Platinum Power Supply 1600W 80 PLUS Titanium Power Supply 1600W 80 PLUS Platinum Power Supply |
| Environment | Operation temperature: 10°C ~ 35°C Non operation temperature: -40°C ~ 60°C Non operation humidity: 20% ~ 90% (Non condensing) |

附錄

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20



info



CPU Number

info



Memory Number

info

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.



Make your QR code Website :

<https://www.unitag.io/qrcode>

Rules:

Color : **#002F87** | Look: Modules: **Light roundness** , Eyes: **Roundness and circle**

Size: **2.08 x 2.08 cm**

Under ASUS NDA