

RS720-E10-RS12E

Scalable, High Performance 2U Server



2U dual-socket server powered 3rd Gen Intel Xeon Scalable processors that supports up to 32 DIMMs, 12 front bays, nine PCIe 4.0 slots, OPC 3.0, 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
- Up to 12 SATA/SAS with 8 NVMe drives support
- Up to 9 PCIe® 4.0 slots
- Flexible onboard LAN-module design

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 RS720-E10-RS12E 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.

Four Dual-slot GPUs Support

ASUS RS720-E10 servers feature a powerful GPU architecture that supports up to four dual-slot GPUs such as NVIDIA A100 in one 2U system to enable easy scale-up in order to meet the demands of AI and high-performance computing (HPC), and to securely run workloads in virtualized environments.

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.

RS720-E10-RS12E

SPECIFICATION

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| 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 | 32 (8-channel per CPU, 16 DIMM per CPU) |
| | Capacity | Maximum up to 6TB |
| | Memory Type | DDR4 3200/2933 RDIMM/LR-DIMM/LR-DIMM 3DS *Refer to ASUS server AVL for the latest update |
| | Memory Size | 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 | 9 |
| | Slot Type | Non-GPU: 6 x PCIe x16 (Gen4 x8 link) (CPU1 x2, CPU2 x4) or 3 x PCIe x16 (Gen4 x16 link), FH, HL (CPU1 x1, CPU2 x2) 1 x PCIe x16 (Gen4 x16 link), FH, HL or OCP3.0 (CPU2) 1 x PCIe x16 (Gen4 x8 link), FH, HL (CPU1) 1 x PCIe x16 (Gen4 x16 link or x8 link), LPHL (if PCIe M.2 is in use, it will operate at x8 link) (CPU2) GPU: 6 x PCIe x16 (Gen4 x8 link) (CPU1 x2, CPU2 x4) or 3 x PCIe x16 (Gen4 x16 link), FH, FL (CPU1 x1, CPU2 x2) 1 x PCIe x16 (Gen4 x16 link), FH, FL or OCP3.0 (CPU2) 1 x PCIe x16 (Gen4 x8 link), FH, FL (CPU1) 1 x PCIe x16 (Gen4 x16 link or x8 link), LPHL (if PCIe M.2 is in use, it will operate at x8 link) (CPU2) |
| Disk Controller | SAS Controller | 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 | 12 x 2.5"/3.5" Hot-swap Storage Device Bays up to - 8x NVMe/SATA*/SAS*+ 4x SATA*/SAS* *must with PIKE II 3008-8i, 3108-8i/16PD(slot4) to support up to 12x SATA/SAS *Support tri-mode card 2 x 2.5" Hot-swap Storage Rear Bay (SATA/NVME) |
| | Motherboard onboard connectors | 2x M.2 (Up to 22110) 3 x miniSAS HD connectors |
| Networking | LAN | 1 x Quad Port Intel I350-AM4 1G or 1 x Dual Port Intel X710-AT2 Gigabit LAN controller 1 x Management Port |
| Graphic | VGA | Aspeed AST2600 64MB |
| Front I/O Ports | | 2 x USB 3.2 Gen 1 ports |
| Rear I/O Ports | | 2 x USB 3.2 Gen 1 ports, 1 x VGA port, 2 or 4 x RJ-45 GbE LAN ports*, 1 x RJ-45 Mgmt LAN port * Only for non-GPU |
| Switch/LED | | Rear Switch/LED: 1 x Port 80 LED (Q-Code), 1 x Power Switch (w/ LED), 1 x Location Switch (w/ LED) 1 x Message LED Front Switch/LED: 1 x Power Switch (w/ LED), 1 x Location Switch (w/ LED), 1 x Reset Switch 1 x Storage Device Access LED, 1 x Message LED, LAN 1-4 LED |
| OS Support | | Windows® Server, RedHat® Enterprise Linux, SuSE® Linux Enterprise Server CentOS, Ubuntu, VMware Please find the latest OS support from http://www.asus.com/ |
| Management Solution | Software | ASUS Control Center (Classic) |
| | Out of Band Remote Management | On-Board ASMB9-iKVM for KVM-over-IP |

RS720-E10-RS12E

SPECIFICATION

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| Dimension | 840mm x 449mm x 88.1mm (2U) 24.21" x 17.48" x 3.46" |
| Net Weight Kg (CPU, DRAM & HDD not included) | 18.195 kg |
| Gross Weight Kg (CPU, DRAM & HDD not included, Packing include) | 26.855 kg |
| Power Supply (following different configuration by region) | 1+1 Redundant 1600W 80 PLUS Platinum Power Supply 2400W 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) |

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FEATURE

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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