ASUS RS720A-E11-RS24U Socket SP3 Rack (2U) Silver

Model: 90SF01G3-M01450

Manufacturer: ASUS

EAN: 4711387520192

Product Code: 325801

R92,793

AMD EPYC 7003 Series Processors

The latest AMD EPYC™ 7003 series processors are the new standard for modern data centers. AMD was first with X86 multi-chip-module server CPUs and continues to innovate with the 3rd Gen EPYC processors, including up to 32MB of L3 cache per core and synchronized fabric and memory-clock speeds designed for improved performance.

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. ASUS RS720A-E11 servers are PCIe 4.0 ready to support a diverse array of graphics, storage and

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networking – enabling flexible scalability for demanding or increasing workloads.

Four Dual-slot GPUs Support

ASUS RS720A-E11 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.

ASUS AMD EPYC 7003-based series are Xilinx Alveo-qualified servers to provide optimized acceleration for workloads across cloud and on-premises data centers, and for hybrid cloud environments in financial computing, machine learning, computational storage, and data search and analytics.

CPU-balanced Architecture

The new AMD EPYC 7003 processors excel at providing full features and functionality for both dual-socket and single-socket platforms, but our new servers ASUS is introducing an CPU-balanced architecture to enable secure and optimal CPU-performance efficiency.

This architecture extends the full bandwidth to either dual- or single-CPU configurations, enabling more computing capability and much-improved overall power efficiency for compute-intensive workloads. This architecture allows customers to take full advantage of bandwidth capabilities of the dual-CPU architecture with a single CPU, while offering the flexibility to upgrade later with the addition of a second CPU.

Modular design

ASUS RS720A-E11 servers offer a flexible, modular design to enable easy scale-up of configurations to meet increasing data-center workloads.

Scalable storage solution

ASUS RS720A-E11 servers feature scalable storage solutions to support maximum performance for data center flexibility, and enable industry-standard SAS/SATA/NVMe interfacing through Broadcom

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Tri-Mode RAID adapters for increased connectivity and security. Up to 24 all-flash NVMe drives on front panel enable extensive storage and high-throughput performance.

Cooling Solutions

Data centers typically demand high-performance processors, GPUs or memory in dense configurations to run HPC or AI workloads. ASUS RS720A-E11 servers feature either air or liquid-cooled solutions, with Asetek's Direct-to-Chip (D2C) liquid-cooling technology achieving lower power-usage effectiveness (PUE) and optimized TCO for data centers.

Enhanced Security

ASUS RS720A-E11 servers integrate PFR FPGA as the platform Root-of-Trust solution for firmware resiliency to prevent from hackers from gaining access to infrastructure. ASUS security solutions are fully compliant with the 2018 National Institute of Standards and Technology (NIST) SP 800 193 specification.

In addition, all RS720A-E11 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.

OCP 3.0

ASUS RS720A-E11 servers feature the latest OCP NIC 3.0 mezzanine card with PCIe 4.0 bandwidth for a faster time-to-market network solution, delivering the speeds of up to 200 Gbps for high bandwidth and low latency. It also features a tool-less, hot-swappable design to simplify installation and serviceability.

ASUS ASMB10-iKVM

ASUS ASMB10-iKVM is the latest server-management solution from ASUS, built upon the ASPEED 2600 chipset running on the latest AMI MegaRAC SP-X. The module provides various interfaces to enable out-of-band server management through WebGUI, Intelligent Platform Management Interface (IPMI) and Redfish® API.

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