ASUS RS520A-E11-RS12U Socket SP3 Rack (2U) Black, Steel

Model: 90SF01Q1-M00280

Manufacturer: ASUS

EAN: 4711081685890

Product Code: 325776

R47,641

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 RS520A-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.

Two Dual-slot GPUs Support

ASUS RS520A-E11 servers feature a powerful GPU architecture that supports two dual-slot GPU 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.

RS520A-E11 servers also provide optimized acceleration for workloads across cloud, data center and for hybrid cloud environment by being qualified from FPGA Xilinx with support of Alveo accelerator cards.

Scalable Storage Solution

ASUS RS520A-E11 servers feature scalable storage solutions to support maximum performance for data center flexibility, and enable industry-standard SAS/SATA/NVMe interfacing through Broadcom Tri-Mode RAID adapters for increased connectivity and security. Up to 24 all-flash NVMe drives on front panel and flexible storage options for different configurations.

Redundant Fans Support

RS520A-E11 servers offer optional hot-swappable, redundant fans and dedicated air tunnels for the CPUs, GPUs and DIMMs for an extra thermal back-up solution. Eight fans for the system — four primary and four back-up fans to ensure nonstop cooling performance for nonstop server operation.

Enhanced Security

ASUS RS520A-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 RS520A-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.

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OCP 3.0

ASUS RS520A-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 too-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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