

ASUS ESC4000A-E11 Socket SP3 Rack (2U) Silver

Model: 90SF0251-M00150

Manufacturer: ASUS

EAN: 4711081670605

Product Code: 325782

R73,072

Powered by AMD EPYC™ 7003 & 7002 series processors

The AMD EPYC™ 7003 & 7002 processor features the world's first 7nm datacenter-design and a PCI Express® 4.0-capable x86 server processor with up to 2X the performance and 4X the floating-point capability. With support for up to 64 cores, 128 threads, 8-channel DDR4 3200, 128 PCIe 4.0 lanes and up to 280 watts of max. thermal design power (TDP), this processor also includes memory and virtualization encryption features to ensure exceptional security.

PCIe 4.0 expansion

PCIe® 4.0 delivers 16 GT/s bandwidth — double the speed of PCIe 3.0 — while offering lower power consumption, better lane scalability and backwards compatibility. ASUS ESC4000A-E11 features up to eleven PCIe 4.0 slots to support a diverse array of graphics, storage and networking applications, such as HBA/RAID, NIC and InfiniBand (IB) cards.

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GPU and FPGA support

ESC4000A-E11 features a powerful GPU architecture that supports up to four double- slot or eight single-slot GPUs in a 2U chassis, including NVIDIA® A100 and AMD Instinct™ MI100 accelerator to meet the demands of AI and HPC, and to securely run workloads in virtualization environment. It is also a Xilinx Alveo-qualified server to provide optimized acceleration for hybrid cloud environments in financial computing, machine learning, computational storage, and data search and analytics.

Flexible front panel design

ESC4000A-E11 features a flexible front panel design that allows for easy storage and network expansions and upgrades. The design offers easier accessibility of up to four NVMe SSD drives and an optional choice of OCP 3.0, a hyper M.2 adapter or HBA/RAID card via PCIe 4.0 slot for better performance and lower latency.

NVIDIA RTX server

ESC4000A-E11 is a NVIDIA RTX server validate system that deliver unprecedented performance at a fraction of the cost, space, and power requirements of traditional CPU-based solutions, from production rendering to scalable visualization systems or HPC, AI, ML, big data analytics, and at the edge deployment options.

Ultrafast connectivity for HPC applications

ESC4000A-E11 features a OCP 3.0 NIC card to deliver speeds of up to 200 Gbps for HPC applications that require high-bandwidth, low-latency network support for connecting multiple nodes and clusters.

Scalable storage design

To effectively manage the storage demands of growing amounts of data, ESC4000A-E11 has a dense chassis design that accommodates up to eight 3.5-inch or 2.5- inch drives, including up to four NVMe SSDs support. One onboard 22110-length M.2 SSD allows faster data transfer speeds for OS installation, and a hyper M.2 card is available to provide even greater expansion capability.

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