

ASUS 90SF0251-M004X0 server barebone Intel C741 Rack (2U) Black, Steel

Model: 90SF0251-M004X0

Manufacturer: ASUS

EAN: 4711387029756

Product Code: 325786

R70,993

Accelerate performance for HPC and AI workloads

Four dual-slot GPU compute in 2U

ESC4000-E11 is a dual-socket server powered by 4th Gen Intel Xeon Scalable processors and built for the demands of enterprise AI infrastructure to deliver unprecedented performance with industry-leading GPUs, faster GPU interconnect and higher-bandwidth fabric, and supports up to four dual-slot active or passive GPUs scalable configuration with a choice of NVIDIA NVLink® Bridge to enable scaling of performance with increased bandwidth — ready to match your AI and HPC workloads.

PCIe 5.0 Ready

Faster storage, graphics and networking capabilities

PCI Express® (PCIe®) 5.0 delivers 32 GT/s bandwidth, which is twice the speed of PCIe 4.0, and

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offers lower power consumption, better lane scalability and backwards compatibility. ASUS servers are PCIe 5.0 ready, with scalable designs to satisfy the increasing workloads or modern data centers.

Sustainability

Keep your data center green

Data centers can consume huge amounts of electricity, raising environmental concerns. ASUS servers are designed to optimize both total cost of ownership (TCO) and total cost to the environment (TCE), including thermal design, power efficiency and advanced cooling solutions — reducing the impact of our products on the planet.

Optimized Thermal Design

Independent CPU and GPU airflow tunnels

Our servers features a streamlined design with dedicated CPU and GPU airflow tunnels for seriously efficient heat dissipation. This advanced design provides better cooling for both the GPU and CPU, enabling heat to be expelled into the surrounding ambient air for greater energy efficiency and overall savings on system power.

Titanium power supplies

Up to 96% efficient for operating cost reduction

ESC4000-E11 supports 2600 W 80 PLUS® Titanium redundant power supplies to ensure power is supplied to the system equally from all power sources, maximizing efficiency and enabling uninterrupted operation.

Management

Comprehensive IT infrastructure solutions

Advanced ASUS management tools comprise IT assets management, security and reliability to improve the performance, up-time and real-time monitoring of the servers remotely — highly increasing the efficiency of IT infrastructure.

IT infrastructure-management software

Streamline IT operations via a single dashboard

ASUS Control Center (ACC) is remote IT-management software application designed for monitoring hardware and software IT assets and inventory status, and enabling seamless remote BIOS configurations and updates, efficient IT diagnostics and troubleshooting and enhanced security with hotfix updates — allowing easier server management for any IT infrastructure.

Hardware Root-of-Trust Solution

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Detect, recover, boot and protect

ASUS 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.

Trusted Platform Module 2.0

ASUS 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.

NVIDIA Omniverse partnership

NVIDIA is dedicated to its partners and believes that a strong partnership is the foundation of mutual success.

Strong partnership with 3D partners

Connect to the top industry apps your teams use every day, with plug-ins that enable live-sync collaboration and iteration across multiple software suites simultaneously — all brought together in Omniverse Enterprise.

Full ASUS product lineup for Omniverse Enterprise

ASUS has the world’s best PCs, servers, monitors and graphics cards. With an expanding range of superior content-creation and gaming products, ASUS leads the industry through innovation to create the most ubiquitous, intelligent productivity.

Success cases

Reduce deployment risks with a complete suite of VMware data-center products for Omniverse Enterprise

Serviceability

Improved IT operational efficiency

Tool-less Cover

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ASUS servers feature three easy-access covers that can be opened without tools, enabling IT staff to perform maintenance on specific components without removing the server fully from the rack.

Front-bezel Q-Code

ASUS servers have a visible Q-Code/port-80 LED display LED for simple monitoring of the entire boot process, from power on through loading of the operating system.

Hot-swap design

ASUS servers feature multiple hot-swap components, including fans, power supplies and storage for easy troubleshooting to keep 24/7 seamless operations.

Performance

4th Gen Intel® Xeon® Scalable Processors

The 4th Gen Intel® Xeon® Scalable Processors are designed to accelerate performance across the fastest-growing workloads that businesses depend on today Built-in accelerators improve performance across AI, analytics, networking, storage, and HPC. By making the best use of CPU core resources, built-in accelerators can result in more efficient utilization and power efficiency advantages, helping businesses achieve their sustainability goals.

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