

New Eviden Escala scale-out server boosts application performance by 3

Most compact Power10 server

Designed for business-critical & AI workloads

Paris, France – June 27, 2024 – [Eviden](#), the [Atos Group](#) business leading in digital, cloud, big data and security today announces its new Escala E1-1000 server, the most compact Power10 server ever created, engineered to optimize data center space and run workloads at the edge, whilst maintaining the performance, security, and reliability of an enterprise server. Secured end-to-end, it delivers 3x more performance per core compared to previous generations, making it ideal for business-critical workloads and AI acceleration.

The E1-1000 is the latest in Eviden's range of Escala servers, each featuring the Power10 processor. This new server enables businesses to reduce their IT footprint by up to 75%¹. Featured as a half-wide 2U rack or in a smaller tower chassis format (54% smaller than E2-1000), it enhances businesses' IT footprint and with Eviden High Availability software it offers new opportunities and cost-effective solutions for clients looking for business continuity or for expanding applications from core to cloud and at the edge.

Based on the Power10 chip accelerators (4 MMA engines /core and 8 SIMD engine /core), these CPUs provide an effective solution for AI inferencing at the edge reducing latency, thereby improving AI model performance without the costly expense, maintenance, or noise disturbance associated with GPUs.

In addition, the Escala E1-1000 is a cloud-ready server, ideal for businesses looking to deploy a new cloud infrastructure, with agility, automation and security as key pillars. Multiple virtual servers can run on a single physical server leading to better resource utilization and reduced energy consumption. The Escala E1-1000 also has a built-in advanced thermal and power management, and together with its energy-efficient design, it enables businesses to reduce energy consumption by up to 75%².

*"Companies are swiftly evolving their conventional data center infrastructure to quickly meet business expansion needs and need to minimize both capital and operational costs." said **Charles-Philippe Gaudron, Group VP, Head of Business Computing, Big Data & Security at Eviden, Atos Group.** "The new Escala server answers this need. Available in a rack or tower format, businesses can now enhance their space outside the traditional data center and run their core workloads & AI applications at optimum speed."*

¹ consolidate 2x E4-1000 1S 4c 64Gb (8U, 129.4 rPerf) onto 2x E1-1000 1S 4c 64Gb (2U, 130.4 rPerf)

² At equal performance, consolidate 2x E2-800 4C or 6C servers or consolidate 2x E2-900 4C servers onto 1 E1-1000 reduces energy consumption by up to 75%.

Availability

The E1-1000 server is now available to order and will be on the market from mid-July 2024. To find out more go to: [Enterprise servers Escala | Eviden](#)

Product specifications

- Rack and Tower form factors
- 1 socket Power10 "eSCM" with 4 or 8 cores
- 4 ISDIMM slots that provide up to 256GB max memory capacity
- Main Memory Encryption for added security
- Active Memory Expansion in option
- 4 PCIe HHHL slots GEN5, NOT concurrently maintainable
- Up to 4 NVMe U.2 Flash Bays provide up to 6.4 TB of internal storage
- Secure and trusted boot with TPM module
- No external SAS storage nor PCIe I/O expansion drawer
- Titanium power supplies to meet EU Efficiency Directives
- Enterprise BMC managed
- Optional HMC
- AIX, Linux
- 3 years warranty

About Eviden³

[Eviden](#) is a next-gen technology leader in data-driven, trusted and sustainable digital transformation with a strong portfolio of patented technologies. With worldwide leading positions in advanced computing, security, AI, cloud and digital platforms, it provides deep expertise for all industries in more than 47 countries. Bringing together 47,000 world-class talents, Eviden expands the possibilities of data and technology across the digital continuum, now and for generations to come. Eviden is an Atos Group company with an annual revenue of c. € 5 billion.

About Atos

[Atos](#) is a global leader in digital transformation with c. 95,000 employees and annual revenue of c. € 11 billion. European number one in cybersecurity, cloud and high-performance computing, the Group provides tailored end-to-end solutions for all industries in 69 countries. A pioneer in decarbonization services and products, Atos is committed to a secure and decarbonized digital for its clients. Atos is a SE (Societas Europaea), and listed on Euronext Paris.

The [purpose of Atos](#) is to help design the future of the information space. Its expertise and services support the development of knowledge, education and research in a multicultural approach and contribute to the development of scientific and technological excellence. Across the world, the Group enables its customers and employees, and members of societies at large to live, work and develop sustainably, in a safe and secure information space.

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³ Eviden business is operated through the following brands: AppCentrica, ATHEA, Cloudamize, Cloudreach, Cryptovision, DataSentics, Edifixio, Energy4U, Engage ESM, Evidian, Forensik, IDEAL GRP, In Fidem, Ipsotek, Maven Wave, Profit4SF, SEC Consult, Visual BI, Worldgrid, X-Perion. Eviden is a registered trademark. Eviden is a registered trademark. © Eviden SAS, 2024.