Eviden unveils new generation of enterprise servers for AI and critical applications

Powered by the latest Intel® Xeon® 6 processors, the new BullSequana SH server line-up will achieve up to 1.5x better performance and up to 1.7x better memory bandwidth for AI workload and business-critical applications compared to previous generation.

Paris, France – February 24, 2025 – [Eviden](), the [Atos Group]() business leading in digital, cloud, big data and security today announces 4 new Bullsequana SH servers based on the latest Intel processing technology, the Intel® Xeon® 6 processor. Combining a performance boost, an unrivalled scale-up architecture and unique eco-efficient technologies, these servers are perfectly suited to the needs of businesses, cloud providers, and hyperscalers, enabling them to confidently deploy their critical and artificial intelligence applications.

Although virtualization and cloud adoption have favored scale-out deployments, they are not well-suited for real-time business processing, big data and analytics (e.g., SAP HANA®), which require maximum computational resources to process vast amounts of data. These applications can benefit from a scale-up architecture which offers a large number of processors in close proximity and substantial memory capacity, allowing large amounts of data to be kept close to the processor, thereby minimizing the latency when fetching data.

Designed for an optimum flexibility and scalability, these new additions to the BullSequana SH range is composed of 4 complementary servers with a computing capacity from one to eight 2-socket server modules. With up to 128 terabytes of DDR5 memory capacity and scalability from 2 to 32 processors in 2-CPU steps thanks to Eviden's Node Controller UNC5 interconnect technology, clients can easily scale-up their infrastructure, shifting from one model to the other, avoiding over-allocation of resources as well as preserving investments and application environments.

For the first time, our BullSequana-SH scale-up servers will include our patented Eviden DLC technology as a new cooling option. This innovation gives customers the flexibility to select the ideal cooling solution tailored to their specific usage needs. With heat dispersion efficiency reaching up to 97% and functionality even at an inlet water temperature of 40°C, these servers achieve superior cooling while reducing energy consumption for heat transport, significantly enhancing the Power Usage Effectiveness (PUE) of data centers. For example, compared to air cooling systems with similar configurations, our DLC technology offers at least a 10% reduction in energy consumption, leading to a 10%

decrease in carbon emissions. Additionally, it doubles rack density and optimize the performance of Intel Xeon 6 processors.

Entirely manufactured in Eviden's flagship factory in Angers (France) and designed by Eviden's R&D teams, the BullSequana SH range already has a strong track record of successful deployments around the world for more than 200 clients and achieved a world record in terms of performance during a SAP HANA Benchmark in June 2024.

> **Charles-Philippe Gaudron, Global head of Business Computing and AI at Eviden, Atos Group quote** said *"Our BullSequana SH range is part of the Group's AI expertise and its broad spectrum of AI sovereign solutions, from infrastructure to models and services. These new enterprises servers offer an evolutive platform, with or without a GPUs, able to run a large variety of models and use cases such as in-memory AI computing applications. Powered by Intel® Xeon® 6 processor, the latest processing technology on the market, our new BullSequana SH servers offers a unique combination of scale-up architecture, eco-efficient technologies and optimal performance. With the launch of our new business computing servers, we are redefining the future of AI and critical applications for businesses, cloud providers and hyperscalers."*

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About Eviden[1]

[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 41,000 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. 82,000 employees and annual revenue of c. € 10 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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1 Eviden business is operated through the following brands: AppCentrica, ATHEA, Cloudamize, Cloudreach, Cryptovision, DataSentics, Edifixio, Engage ESM, Evidian, Forensik, IDEAL GRP, In Fidem, Ipsotek, Maven Wave, Profit4SF, SEC Consult, Visual BI, X-Perion.

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