



Press Release

Eviden announces BullSequana AI 600, its new mid-range AI server family, powered by the AMD Instinct MI300X accelerator

Paris, France and Hamburg, Germany – May 13, 2024 – Eviden, the Atos Group business leading in advanced computing, today introduces the “**BullSequana AI 600.**” This new addition to the BullSequana AI product family, is launched in collaboration with AMD. The BullSequana AI 600 caters to businesses in need of 8-GPU servers to help developers, data scientists, and researchers achieve breakthroughs in terms of innovation and computation, with a special emphasis on models equipped with AMD Instinct™, the MI300X accelerator platform. It offers outstanding compute capabilities and a balance between cost and performance, ensuring that customers get the most value for their investment.

To assist enterprises and research in achieving their objectives with greater energy efficiency, the BullSequana AI 600 product family offers a comprehensive suite of AI systems. These servers are available in an air-cooled version (AI600) or can be equipped with Eviden’s Direct Liquid Cooling (DLC) technology for peak efficiency (AI600H). Eviden’s AI architecture, designed to cool both CPU and GPU boards, enables up to 80% heat retention through DLC. The DLC solution maintains density within the data center, leading to substantial cost savings for businesses and facilitating scalability.

A Strategic Alliance for Unmatched Performance-to-Cost Excellence

The BullSequana AI 600 utilizes AMD Instinct MI300X accelerators and the ROCm™ software suite which provides a robust and proven ecosystem for AI development, emphasizing openness, performance, and flexibility. Each BullSequana AI 600 is equipped with two 4th Gen AMD EPYC™ processors and 8 AMD Instinct MI300X accelerators interconnected via an Infinity Fabric™ network, with each MI300X GPU providing 304 compute cores, 5.22 PFLOPS of theoretical peak performance (FP8), 2.61 theoretical peak performance PFLOPS (FP16) and 192 GB of HBM3 memory with 5.3 TB/s peak bandwidth.

Bruno Lecoite, Group VP Business HPC AI & Quantum, Eviden, Atos Group, said, “*The **collaboration** between Eviden and AMD is a powerful technology **partnership**, yielding an exceptional performance-to-cost ratio. With the BullSequana AI 600, Eviden continues to deliver on its commitment to providing customers with the expertise and the high computing power needed to stay ahead on the AI innovation curve, while achieving their goals more energy-efficiently.*”

Andrew Dieckmann, Corporate Vice President and General Manager, Data Center Accelerator Business, AMD, said, *"Our collaboration with Eviden drives innovation for our customers in AI and high-performance computing. Powered by AMD Instinct MI300X accelerators and ROCm software suite, the new BullSequana AI 600 platform will help customers realize the performance and energy efficiency needed to address the rapid innovation in the AI market."*

50 systems in the TOP500, #1 in the Green500

Eviden now has 50 systems in the TOP500, the official listing of the world's most powerful supercomputers, out of which 2 are in the TOP10. Entering the TOP500 for the first time, the CEA-HE extension ranks 17th in the TOP500, with a sustained performance of 57.11 petaflops for the extension. This accelerator partition is based on Eviden's BullSequana XH3000 next-gen hybrid architecture. #1 in the Green500 is the first module of the exascale supercomputer JUPITER, named JEDI, from Forschungszentrum Jülich and EuroHPC Joint Undertaking. Based on the BullSequana XH3000, it was installed in April as a development instrument and prefigures the JUPITER exascale supercomputer which is currently being built at FZJ.

About BullSequana AI product line

BullSequana AI offers a comprehensive stack of HPC, enterprise, and edge infrastructure, software and services. It delivers the performance, efficiency, and responsiveness critical to powering the next generation of AI – from the data center and cloud, to the edge and far edge. The new end-to-end offering includes five new server families optimized for AI workloads, supported by AI software. These are: BullSequana AI 1200H, BullSequana AI 800, BullSequana AI 600 and AI 600H, BullSequana AI 200, BullSequana AI 100. This offer is ideally suited for data-critical applications in national centers, Life Sciences and Health; Earth Scientific Research (weather forecast and satellite image analysis), Finance & Insurance; Retail, the Public sector, Manufacturing and Datacenters. This offering is compliant with the EU AI act, providing the highest level of ethics and confidentiality in the development of Eviden's AI solutions.

About Eviden¹

[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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