



BullSequana SA1 series

The choice for Agility



The BullSequana Agility family features a versatile range of 1 and 2-socket BullSequana SA1 servers, manufactured in France and powered by the latest generations of AMD EPYC™ and Intel® Xeon® Scalable Processors.

The SA1 servers are ideally suited for virtualised workloads and all modern architecture patterns, such as private and hybrid clouds, containerised infrastructures, hyperconverged and scale-out solutions. Various GPU options enable acceleration of AI/ML, video processing and image rendering workloads. BullSequana SA1 servers are delivered as standalone units or fully integrated in racks, along with networking and storage components to drastically reduce time to value.



Key features

- **4th and 5th Gen AMD EPYC™ processors**
- **4th and 5th Gen Intel® Xeon® Scalable Processors**
- **1 and 2-socket models**
- **Multi-TB memory configurations**
- **1U and 2U packaging**
- **High storage density**
- **NVMe drives, 1 DWPD or 3 DWPD, from 480 GB to 15.3 TB**
- **HDDs up to 24 TB**
- **Gen 5 PCIe and OCP3 slots**
- **GPU-enabled models**

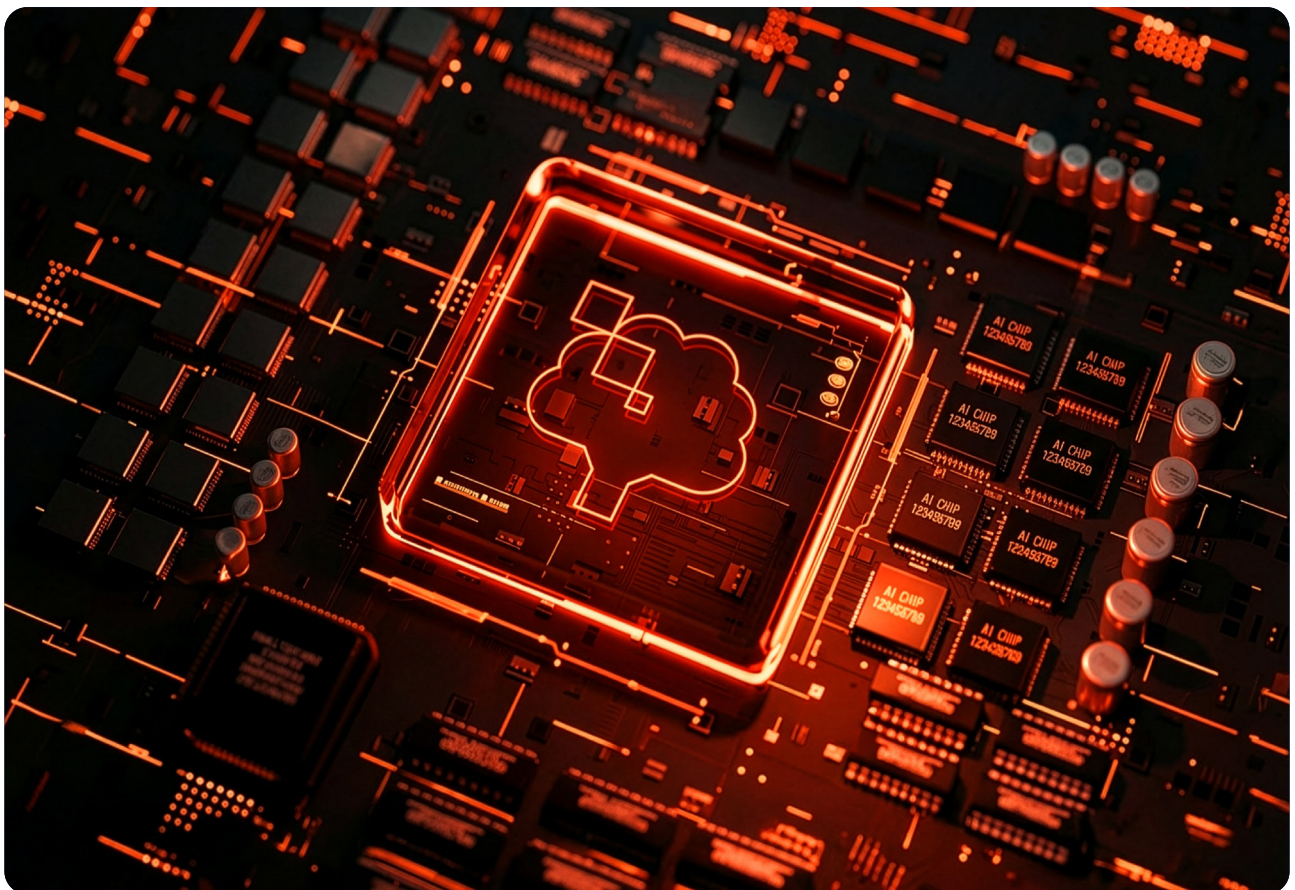


Our BullSequana SA1 series models perfectly meet the challenges of modern data centres



For virtual machines and containers

- Increase operational agility, improve the usage ratio of your ever more efficient processors, move workloads across physical servers, minimise the management of the hardware assets.
- Benefit of enterprise class support for the business workloads using VMware vSphere, Microsoft Hyper-V and Redhat RHEL/RHV certified software suites.
- Run highly security, fully fledged operating systems environment with virtual machines.
- Run lightweight containers for increased computing density, smaller image footprint, and agile deployments.
- Gen 5 PCIe and OCP3 slots VM and containers farms with 1 or 2 processors increments to meet business demand.
- Meet the IO requirements of your virtualised and containerised workloads with the latest generations of NVMe drives, SAS/SATA SSDs and high bandwidth multiport Ethernet NICs.





For private and hybrid cloud

- Build a cloud platform for your VMs and containers, with virtualised storage and networks. Empower users with self-service, service catalogs, automation, real-time provisioning and decommissioning. Bridge the gap between on-premise and public clouds. Manage the security, the billing.
- Build on the highly standard design patterns based on 1U and 2U rack drawers, 1 or 2-socket servers. Perfectly meet the demand of general purpose workloads hosted in private clouds, thanks to the high configuration capabilities of BullSequana SA1 servers, and the fine granularity of capacity increments.
- Secure your operations with the proven and fully certified VMware vSphere and VSAN, combined with Cloud Foundation, Tanzu, and Aria to leverage the most comprehensive private and hybrid cloud framework.
- Benefit of the open source private clouds technologies, with Redhat Openstack.





Scale-out software defined architectures

- Get rid of expensive external storage systems, SAN and NAS complexity.
- Combine the high computing capabilities and storage capacities of BullSequana SA1 with 3rd party software to operate flexible pools that can easily adapt to the variable business demand.
- Leverage VMware VSAN ready nodes or build-your-own fully custom designs for robust solutions.
- Microsoft Windows servers and Redhat Openshift and Enterprise Linux certifications open a safe access to a large portfolio of scale-out software solutions.
- BullSequana SA design complies with AMD and Intel design rules and is compatible with a wider set of Linux variants enabling an even richer set of software frameworks





AI/ML and video accelerated workloads

- Enable GPUs to deliver the computing and acceleration capabilities required by the latest AI models.
- Select the most suitable Nvidia model in the BullSequana SA1 catalog, from entry one to the most powerful, dual size PCIe Gen 5 GPUs models, NVlink capable, scaling up to 4 GPUs per SA1 unit.
- Leverage the high capacity local storage capabilities and multiple 100 GbE adapters to ingest and store large data sets, and allow to run of inference workloads, or even basic model trainings.
- Deploy the GPU servers in either core and edge data centres thanks to their compacts and standard 2U packaging.





Increase your agility with our unique infrastructure industrialisation services based on our expertise and understanding of our customers challenges.

Cloud and business computing professionals must be able to react quickly to new needs of their customers and make existing services as efficient as possible, to build and maintain a competitive advantage.

The graphic is divided into three vertical panels, each featuring a stylized cloud icon composed of 3D cubes. The first panel has an orange background and a desert landscape. The second panel has a blue background with a snowy mountain range. The third panel has a dark blue background with a sunset over the ocean.

- Gain flexibility**
 - Design as you need
 - Add on process
- Go faster**
 - Fastest supply
 - On site plug & play
- Reduce risks**
 - No unexpected costs
 - Highest quality and repeatable process



- **Bull is a leader for hardware & software products**
- **Recognised manufacturer of enterprise high-end servers**
- **Pioneer on the quantum computer**



- **Manufactured in France**



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