EVIDEN

BullSequana Agility

BullSequana SA21Ga

The BullSequana Agility family features a versatile range of 1- and 2-socket BullSequana SA servers, manufactured in France and powered by the latest generations of AMD EPYC™ and Intel® Xeon® Scalable processors. The servers are ideally suited for virtualized workloads and all modern architecture patterns, such as private and hybrid clouds, containerized infrastructures, hyper-converged and scale-out solutions. Various GPU options enable acceleration of AI/ML, video processing and image rendering workloads. BullSequana SA servers are delivered as standalone units or fully integrated in racks, along with networking and storage components to drastically reduce time to value.

The **BullSequana SA21Ga** is the solution for AI/ML, image and video workloads that require high-performance GPUs to accelerate execution. With oversized cooling and dual 2700W PSUs, the BullSequana SA21Ga supports the most powerful and demanding GPUs, dual 4th Gen AMD EPYCTM Series processors, and 12 local drives. It's the perfect weapon for content creators, data scientists, researchers and engineers — solving challenges that were once impossible. With a large storage capacity, the BullSequana SA21Ga is also ideal for hyper-converged and scale-out storage platforms that require extensive computing capabilities.

Features

- AMD EPYC™ 9004 Series processors with AMD 3D V-Cache™ Technology
- Dual processor, 5nm technology
- Dual ROM Architecture
- 12-Channel RDIMM DDR5, 24 x DIMMs
- 1 x Dedicated management port
- 8 x 3.5"/2.5" Gen5 NVMe/SATA/SAS4 hot-swappable bays

- 4 x 3.5"/2.5" SATA/SAS4 hot-swappable bays
- Supports up to 4 x Dual slot Gen5 GPUs
- 1 x OCP 3.0 Gen5 x16 slot
- 4 x FHFL PCIe Gen5 x16 slots for GPUs
- 1 x FHHL PCIe Gen5 x16 slot
- Dual 2700W 80 PLUS Titanium redundant power supply

AMD EPYC

Technical Specifications

Dimensions	2U (W438 x H87.5 x D815 mm)
CPU	AMD EPYC™ 9004 Series processors with AMD 3D V-Cache™ Technology Dual processor, 5nm technology Up to 128 cores, 256 threads per processor, cTDP up to 300W at ambient 30°C
Memory	24 x DIMM slots DDR5 memory supported only 12-Channel memory architecture RDIMM modules up to 64GB supported 3DS RDIMM modules up to 256GB* supported Memory speed: Up to 4800 MHz
LAN	1 x 10/100/1000 Mbps Management LAN
Video	Integrated in Aspeed® AST2600 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp
Storage	8 x 3.5"/2.5" NVMe/SATA/SAS hot-swappable bays 4 x 3.5"/2.5" SATA/SAS hot-swappable bays SAS card is required for SAS devices support
Expansion Slots	4 x PCIe x16 (Gen5 x16) FHFL slots for GPUs 1 x PCIe x16 (Gen5 x16) FHHL slot 1 x OCP 3.0 slot, Supports NCSI function
Front I/O	2 x USB 3.2 Gen1
Rear I/O	2 x USB 3.2 Gen1 1 x Mini-DP 1 x MLAN

Backplane I/O Bandwith	PCIe Gen5 x4 or SATA 6Gb/s or SAS4 24Gb/s
TPM	1 x TPM header with SPI interface; Optional TPM2.0 kit
Power Supply	Dual 2700W 80 PLUS Titanium redundant power supply Note: The system power supply requires C19 power cord
System fans	1 x 40x40x28mm (34,000rpm) 4 x 80x80x56mm (15,500rpm)
System management	Aspeed® AST2600 management controller Built-in html5 GUI; iKVM RBAC, LDAP integration, RADIUS support SNMP, IPMI and Redfish management protocols SNMP trap, email and Redfish event notifications GSM server/GSM agent for centralized monitoring of multiple BullSequana SA servers
Operating conditions	Operating temperature: 10°C to 35°C (supported configurations depend on temperatures) Operating humidity: 8%-80% (non-condensing) Non-operating temperature: -40°C to 60°C Non-operating humidity: 20%-95% (non-condensing)
OS Certified	Windows Server 2022 RHEL 9 VMware vSphere 8
Other OS Compatibility	Windows Server 2019 RHEL 8.6 / 8.7 / 8.8 SLES 15 SP4 / 15 SP5 Ubuntu 20.04.6 / 22.04 / 22.04.1 / 22.04.2 / 22.04.3 LTS (x64) VMware ESXi 7.0 Update 3i Citrix Hypervisor r 8.2 LTSR CU

*256GB: check for availability with your sales representative