

## BullSequana SA21Ga

BullSequana Agility



The BullSequana Agility family features a versatile range of 1- and 2socket 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 virtualised workloads and all modern architecture patterns, such as private and hybrid clouds, containerised infrastructures, hyperconverged and scaleout 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 highperformance GPUs to accelerate execution. With oversized cooling and dual 2700W PSUs, the BullSequana SA21Ga supports the most powerful and demanding GPUs, dual 4th or 5th Gen AMD EPYC™ 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 hyperconverged and scaleout storage platforms that require extensive computing capabilities.

### Features

- AMD EPYC™ 9004/9005 Series processors with AMD 3D VCache Technology
- Dual processor
- Dual ROM Architecture
- 12Channel RDIMM DDR5, 24 x DIMMs
- 1 x Dedicated management port
- 8 x 3.5"/2.5" Gen5 NVMe/SATA/SAS4 hotswappable bays
- 4 x 3.5"/2.5" SATA/SAS4 hotswappable 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

### Technical specifications

Dimensions and Weight	<ul style="list-style-type: none"> <li>• 2U (W438 x H87.5 x D815 mm) &amp; 31.7 kg</li> </ul>
CPU	<ul style="list-style-type: none"> <li>• AMD EPYC 9004 &amp; 9005 Series processors with AMD 3D VCache Technology</li> <li>• Dual processor, cTDP up to 300W at ambient 30°C</li> </ul>
Memory	<ul style="list-style-type: none"> <li>• 24 x DIMM slots DDR5 memory supported only 12Channel memory architecture</li> <li>• Memory speed: Up to 4800 MT/s (EPYC 9004) / up to 6400 MT/s (EPYC 9005)</li> </ul>
LAN	<ul style="list-style-type: none"> <li>• 1 x 10/100/1000 Mbps Management LAN</li> </ul>
Video	<ul style="list-style-type: none"> <li>• Integrated in Aspeed® AST2600 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp</li> </ul>
Storage	<ul style="list-style-type: none"> <li>• 8 x 3.5"/2.5" NVMe/SATA/SAS hotswappable bays</li> <li>• 4 x 3.5"/2.5" SATA/SAS hotswappable bays SAS card is required for SAS devices support</li> </ul>
Expansion slots	<ul style="list-style-type: none"> <li>• 4 x PCIe x16 (Gen5 x16) FHFL slots for GPUs</li> <li>• 1 x PCIe x16 (Gen5 x16) FHHL slot</li> <li>• 1 x OCP 3.0 slot, Supports NCSI function</li> </ul>

Front I/O	<ul style="list-style-type: none"> <li>• 2 x USB 3.2 Gen1</li> </ul>
Rear I/O	<ul style="list-style-type: none"> <li>• 2 x USB 3.2 Gen1</li> <li>• 1 x Mini-DP</li> <li>• 1 x MLAN</li> </ul>
Backpane I/O bandwidth	<ul style="list-style-type: none"> <li>• PCIe Gen5 x4 or SATA 6Gb/s or SAS4 24Gb/s</li> </ul>
TPM	<ul style="list-style-type: none"> <li>• 1 x TPM header with SPI interface; Optional TPM2.0 kit</li> </ul>
Power supply	<ul style="list-style-type: none"> <li>• Dual 2700W 80 PLUS Titanium redundant power supply</li> <li>Note: The system power supply requires C19 power cord</li> </ul>
System fans	<ul style="list-style-type: none"> <li>• 1 x 40x40x28mm (34,000rpm)</li> <li>• 4 x 80x80x56mm (15,500rpm)</li> </ul>
System management	<ul style="list-style-type: none"> <li>• Aspeed® AST2600 management controller</li> <li>• Built-in html5 GUI</li> <li>• iKVM</li> <li>• RBAC, LDAP integration, RADIUS support</li> <li>• SNMP, IPMI and Red fish management protocols</li> <li>• SNMP trap, email and Red fish event notifications</li> <li>• OneBSM for centralised monitoring of multiple BullSequana SA servers</li> </ul>
Operating conditions	<ul style="list-style-type: none"> <li>• Operating temperature: 10°C to 35°C (supported configurations depend on temperatures)</li> <li>• Operating humidity: 8%-80% (non-condensing)</li> <li>• Non-operating temperature: -40°C to 60°C</li> <li>• Non-operating humidity: 20%-95% (non-condensing)</li> </ul>
OS certified	<ul style="list-style-type: none"> <li>• Windows Server 2022 / 2025</li> <li>• VMware vSphere 8 / 9</li> </ul>
Other OS Compatibility	<ul style="list-style-type: none"> <li>• Windows Server 2019</li> <li>• RHEL 8 / 9</li> <li>• SLES 15</li> <li>• Ubuntu 20 / 22 / 24</li> <li>• VMware ESXi 7</li> <li>• Citrix Hypervisor r 8.2 LTSR CU</li> </ul>
Please refer to your sales contact for OS compatibility detailed list	

\*256GB: check for availability with your sales representative

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