

# EVIDEN

## BullSequana Agility

# BullSequana SA21i

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.



Combining dual 4<sup>th</sup> or 5<sup>th</sup> Gen Intel® Xeon® Scalable processors with full memory capacity and 12 NVMe drives in a super dense 1U packaging, the **BullSequana SA21i** delivers the highest level of computing and storage performance. It is the preferred platform for virtualization, private and hybrid clouds, high performance HCI, data processing workloads with extreme IOPs, as well as space constrained data centers or edge facilities.

### Features

- Dual 4<sup>th</sup> or 5<sup>th</sup> Generation Intel® Xeon® Scalable processors
- 8-channel RDIMM DDR5 per processor, 32 x DIMMs
- Dual ROM technology supported
- 2 x 1Gb/s LAN ports (Intel® I350-AM2)
- 1 x Dedicated management port
- 12 x 2.5" NVMe/SAS/SATA hot-swap bays
- 2 x PCIe Gen5 expansion slots
- 2 x OCP 3.0 Gen5 mezzanine slots
- Dual 1600W 80 PLUS Titanium redundant power supply

### Technical specifications

<b>Dimensions</b>	1U (W438 x H43.5 x D815 mm)
<b>CPU</b>	4 <sup>th</sup> or 5 <sup>th</sup> Generation Intel® Xeon® Scalable processors Dual Intel® Xeon® Platinum, Gold or Silver processors CPU TDP up to 350W
<b>Memory</b>	32 x DIMM slots 8-channel DDR5 memory per processor RDIMM modules up to 64GB supported 3DS RDIMM modules up to 256GB* supported Memory speed: up to 4800 MT/s (1DPC), 4400 MT/s (2DPC)
<b>LAN</b>	2 x 1Gb/s LAN ports (1 x Intel® I350-AM2) Supported NCSI function 1 x 10/100/1000 management LAN
<b>Video</b>	Integrated in Aspeed® AST2600 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp,
<b>Storage</b>	12 x 2.5" NVMe/SATA/SAS hot-swappable bays SAS card is required for SAS devices support
<b>Expansion Slots</b>	2 x PCIe Gen5 x16 FHHL slots 2 x PCIe Gen5 x16 OCP 3.0 slots Supported NCSI function

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

<b>Front I/O</b>	1 x USB 3.2 Gen1
<b>Rear I/O</b>	2 x USB 3.2 Gen1, 1 x Mini-DP, 2 x RJ45, 1 x MLAN
<b>Backpane I/O bandwidth</b>	PCIe Gen4 x4 or SATA 6Gb/s or SAS 12Gb/s
<b>TPM</b>	1 x TPM header with SPI interface Optional TPM2.0 kit
<b>Power supply</b>	Dual 1600W (240V) 80 PLUS Titanium redundant power supply AC input: 100-240V
<b>System fans</b>	8 x 40x40x56 mm (32,000 rpm)
<b>System management</b>	Aspeed® AST2500 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
<b>Operating conditions</b>	Operating temperature: 10°C to 35°C Operating humidity: 8-80% (non-condensing) Non-operating temperature: -40°C to 60°C Non-operating humidity: 20%-95% (non-condensing)
<b>OS certified</b>	Windows Server 2022 RHEL 9 VMware vSphere 8
<b>Other OS Compatibility</b>	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