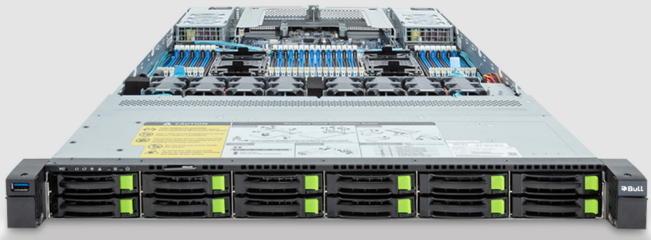
BullSequana SA21i

BullSequana Agility



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 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 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 4th or 5th 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 virtualisation, 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 4th or 5th 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

Dimensions	• 1U (W438 x H43.5 x D815 mm)
CPU	• 4th or 5th Generation Intel® Xeon® Scalable processors Dual Intel® Xeon® Platinum, Gold or Silver processors • CPU TDP up to 350W
Memory	• 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)
LAN	• 2 x 1Gb/s LAN ports (1 x Intel® I350-AM2) Supported NCSI function • 1 x 10/100/1000 management LAN
Video	• Integrated in Aspeed® AST2600 • 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp
Storage	• 12 x 2.5'' NVMe/SATA/SAS • hot-swappable bays • SAS card is required for SAS devices support

Expansion slots	• 2 x PCIe Gen5 x16 FHHL slots • 2 x PCIe Gen5 x16 OCP 3.0 slots Supported NCSI function
Front I/O	• 1 x USB 3.2 Gen1
Rear I/O	• 2 x USB 3.2 Gen1, 1 x Mini-DP, 2 x RJ45, 1 x MLAN
Backpane I/O bandwith	• PCIe Gen4 x4 or SATA 6Gb/s or SAS 12Gb/s
TPM	• 1 x TPM header with SPI interface Optional TPM2.0 kit
Powersupply	• Dual 1600W (240V) 80 PLUS Titanium redundant power supply • AC input: 100-240V
System fans	• 8 x 40x40x56 mm (32,000 rpm)
System management	• 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 • OneBSM for centralised monitoring of multiple BullSequana SA servers
Operating conditions	• 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)
OS certified	• Windows Server 2022 • VMware vSphere 8/9
Other OS Compatibility	• Windows Server 2019 • RHEL 8.6 / 8.7 / 8.8 / 9 • 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

Connect with us

bull.com

Bull is a registered trademark © Copyright 2026, Bull SAS – All rights reserved.