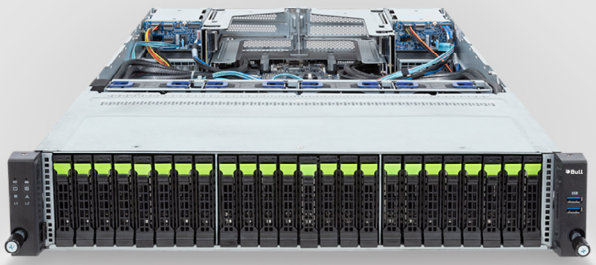
BullSequana SA21Si

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.

The BullSequana SA21Si is the ultimate Intel® dual socket server for hyperconverged infrastructures hosting huge numbers of virtualised workloads. The 24 NVMe drives deliver outstanding IO capabilities, allowing the consolidation of large numbers of workloads in a dense 2U package.

Features

- Dual 4th or 5th Generation Intel® Xeon® Scalable processor
- 8-channel RDIMM DDR5 per processor, 32 x DIMMs
- Dual ROM technology supported
- 2 x 1Gb/s LAN port (Intel® I350-AM2)
- 1 x Dedicated management port
- 24 x 2.5” NVMe/SAS/SATA hot-swappable bays
- 4x2.5” SAS/SATA rear hot-swappable bays
- 4 x FHHL PCIe Gen5 expansion slots
- Dual 2000W 80 PLUS Titanium redundant power supply

Technical specifications

Dimensions	• 2U (W438 x H87.5 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 128GB 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 • 12 x 2.5’’ NVMe hot-swappable bays • 4 x 2.5’’ SATA/SAS hot-swappable bays on rear side SAS card is required for SAS devices support
Expansion slots	• 4 x PCIe Gen5 x16 FHHL slots

Front I/O	• 2 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 2000W (240V) 80 PLUS Titanium redundant power supply • AC input: 100-240V
System fans	• 4 x 80x80x38 mm (18,300 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

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