BullSequana SA11i

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.

Powered by the highest performance 4th or 5th Gen Intel® Xeon® Scalable Series pro-cessors with full memory capacity and large drive forms factors, BullSequana SA11i is the perfect cost-effective platform for bare metal or virtualised general-purpose workloads, large scale-out storage repositories and high storage capacity hyperconverged platforms. The rich PCI expansion capabilities enable the maximum external connectivity.

Features

- Single 4th or 5th Generation Intel® Xeon® Scalable processor
- 8-channel RDIMM DDR5, 16 x DIMMs
- Dual ROM technology supported
- 1 x 1Gb/s LAN port (Intel® I210-AT)
- 1 x Dedicated management port
- 4 x 3.5"/2.5" NVMe/SAS/SATA hot-swappable bays
  8 x 3.5"/2.5" SAS/SATA hot-swappable bays
- 2 x PCIe Gen5 expansion slots
- 2 x OCP 3.0 Gen5 mezzanine slots
- Dual 1300W 80 PLUS Titanium redundant power supply

Technical specifications

Dimensions and Weight	• 2U (W438 x H87.5 x D700 mm) & 26 kg
CPU	• 4th or 5th Generation Intel® Xeon® Scalable processors • Single Intel® Xeon® Platinum, Gold or Silver processor • CPU TDP up to 350W

Memory	• 16 x DIMM slots
	• 8-channel DDR5 memory
	• Memory speed:
	  • 5th Gen Intel® Xeon®: RDIMM: Up to 5600 MT/s (1DPC), 4400 MT/s (2DPC)
	  • 4th Gen Intel® Xeon : RDIMM: Up to 4800 MT/s (1DPC), 4400 MT/s (2DPC)

LAN	• 1 x 1Gb/s LAN ports (1 x Intel® I210-AT) • 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	• 4 x 3.5/2.5" NVMe/SATA/SAS hot-swappable bays • 8 x 3.5/2.5" 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 • 1 x M.2 slot (M-key, PCIe Gen3 x4, NGF 2280/22110)
Front I/O	• 2 x USB 3.2 Gen1
Rear I/O	• 2 x USB 3.2 Gen1, 1 x Mini-DP, 1 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 1300W (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 Red ish management protocols • SNMP trap, email and Red ish event noti ications • 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 & 2025 • 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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