EVIDEN

BullSequana Agility

BullSequana SA11a

The BullSequana Agility family features a versatile range of 1- and 2-socket BullSequana SA servers, man-ufactured in France and powered by the latest generations of AMD EPYC™ and Intel® Xeon® Scalable pro-cessors. 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.

Powered by the highest performance 4th Gen AMD EPYC™ Series processors with full memory capacity and large drive form factors, **BullSequana SA11a** is the perfect cost-effective platform for bare metal or virtualized general-purpose workloads, large scale-out storage repositories and high storage capacity hyper-converged platforms. The rich PCI expansion capabilities enable the maximum external connectivity.

Features

- Single AMD EPYC™ 9004 series processor
- 12-channel RDIMM DDR5, 12 x DIMMs
- Dual ROM technology supported
- 1 x 1Gb/s LAN ports (Intel® I210-AT)
- 1 x Dedicated management port

- 8 x 3.5/2.5" SATA hot-swappable bays
  4 x 3.5/2.5" NVMe/SATA hot-swappable bays
- 5 x PCIe Gen4/Gen5 expansion slots
- 2 x OCP 3.0 Gen5 mezzanine slots
- Dual 1300W 80 PLUS Titanium redundant power supply

Technical specifications

Dimensions	2U (W438 x H87.5 x D700 mm)
CPU	AMD EPYC™ 9004 Series processors Single processor, 5nm technology up to 96-core, 192 threads per processor cTDP up to 360W
Memory	12 x DIMM slots 12-Channel DDR5 memory up to 4800 MT/s RDIMM modules up to 64GB supported 3DS RDIMM modules up to 256GB* supported

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	8 x 3.5/2.5" SATA/SAS hot-swappable bays 4 x 3.5/2.5" NVMe/SATA/SAS hot-swappable bays SAS card is required for SAS devices support
Expansion Slots	2 x PCIe Gen5 x16 FHHL slots 1 x PCIe Gen4 x16 FHHL slot 2 x PCIe Gen4 x8 FHHL slots 2 x PCIe Gen5 x16 OCP 3.0 slots supported NCSI function 1 x M.2 slot (M-key, PCIe Gen3 x4, NGFF-2280/22110)

*256GB: check for availability with your sales representative

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
Power supply	Dual 1300W (240V) 80 PLUS Titanium redundant power supply AC input: 100-240V
System fans	4 x 80x80x38 mm (16,300 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 GSM server/ GSM agent for centralized 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 support	Windows Server 2019 / 2022 RHEL 9 VMware vSphere 8

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