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BullSequana SA11Ea

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 AMD EPYC™ Series processors with full memory capacity and large drive form factors, BullSequana SA11Ea 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™ 9004/9005 Series Processors
- 12-Channel RDIMM DDR5, 12 x DIMMs
- Dual ROM Architecture
- 1 x 1Gb/s LAN ports (Intel® I210-AT)
- 1 x Dedicated management port
- 8 x 3.5"/2.5" SATA/SAS-4 hot-swap bays
- 4 x 3.5"/2.5" Gen5 NVMe/SATA/SAS4 hot-swappable bays
- 1 x M.2 slot with PCIe Gen3 x4 interface
- 2 x OCP 3.0 Gen5 x16 slot
- 4 x FHHL PCIe Gen5 x16 slots
- Dual 1300W 80 PLUS Titanium redundant power supply

Technical specifications

Dimensions and Weight	• 2U (W438 x H87.5 x D710 mm) & 26 kg
CPU	• AMD EPYC™ & 9005 Series processors, Single processor At 30°C ambient, cTDP up to 500W
Memory	• 12 x DIMM slots • DDR5 memory supported only • 12-Channel memory architecture • Memory speed: Up to 4800 MT/s (EPYC 9004) /up to 6400 MT/s (EPYC 9005)
LAN	• 1 x 1Gb/s LAN ports (1 x Intel® I210-AT) • Supported NCSI function • 1 x 10/100/1000 Mbps Management LAN
Video	• Integrated in Aspeed® AST2600 • 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp
Storage	• Front: 4 x 3.5/2.5 NVMe/SATA/SAS hot-swappable bays 8 x 3.5/2.5 SATA/SAS hot-swappable bays • Internal M2: 1 x M.2 (2280/22110), PCIe Gen3 x4 SAS card is required for SAS devices support
Expansion Slots	• 4 x PCIe x16 (Gen5 x16) FHFL slots • 2 x OCP 3.0 slot, Supports NCSI function

Front I/O	• 2 x USB 3.2 Gen1
Rear I/O	• 2 x USB 3.2 Gen1, 1 x Mini-DP, 1 x MLAN, 1 x RJ45
Backpane I/O bandwith	• PCIe Gen5 x4 or SATA 6Gb/s or SAS4 24Gb/s
TPM	• 1 x TPM header with SPI interface Optional TPM2.0 kit
Power supply	• Dual 1300W 80 PLUS Titanium redundant power supply
System fans	• 4x80x80x38 mm (18,300rpm)
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 30°C (supported configurations depend on temperatures) 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 / 9 • SLES 15 • Ubuntu 20 / 22 / 24 • VMware ESXi 7 • Citrix Hypervisor r 8.2 LTSR CU • Please refer to your sales contact for OS compatibility detailed list

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