EVIDEN

BullSequana AI 622-A03

Compute Powered. AI Accelerated. Ready to Deploy.

The **BullSequana AI 622-A03** server offers an exceptional blend of high-performance computing and AI inference, making it a compelling choice for a wide range of applications.

Designed to fit seamlessly within the BullSequana X400 rack architecture, up to eight AI 622-A03 servers can be integrated into a single rack. This **all-in-one, air-cooled system** integrates effortlessly into standard data-center environments, enabling rapid installation and accelerated value realization.

Combining dual AMD EPYC processors with support for up to eight PCIe multi-GPU accelerators, the BullSequana AI 622 A03 brings scalable, high-performance compute and AI acceleration to demanding workloads. AMD EPYC™ 9005 delivers up to 192 cores per CPU, seamlessly complemented by **high-end GPUs** such as NVIDIA H200 NVL, NVIDIA RTX™ 6000, AMD Radeon™ PRO V710, and AMD Instinct™ MI210.

Technical Specifications

GPU Architecture
- Up to 8x PCIe Gen5 GPUs

CPU Architecture
- Dual AMD EPYC™ 4th & 5th Gen processors
- 12 channels DDR5 RDIMM, 6TB total size

Physical Characteristics
- 4U form factor
- Total weight: 70 Kg

I/O Options
- 5x PCIe Gen 5x16
- 2x USB 3.2 Gen1 (Type-A) ports
- 1x VGA port
- 2x RJ45 (1Gb) ports
- 1 x MLAN port

Storage
- Front: 12x 2.5" hot-swap bays
- Internal: 2x M.2 PCIe Gen3 x4 slots

Availability and RAS features
- Smart crises management and protection
- Dual ROM architecture
- Hot swap PSUs, PCIe blades, NVMe drives

Power Supply Unit (PSU)
- 80 PLUS Titanium
- Quad 3000W 80 PLUS Titanium redundant power supply

Security Features
- Secure boot, secure firmware, and TPM 2.0

Regulation and Safety
- Compliance global: RoHS, REACH
- Country: CE, ErP Lot 9, FCC

System Management
- BMC based on ASPEED AST2600

Supported OS and tools
- Red Hat Enterprise Linux
- Hardware abstraction layer (HAL) and monitoring exporters & dashboards

Software Management Stack:
- Smart Management Center XScale
- Smart Maintenance Management Suite
- Smart Performance Management Suite:
  - Eviden DOCA-OFED & openmpi
  - Eviden SLURM
  - Sylabs singularityPRO and singularityNET
  - Eviden IBMS (Interconnect fabric monitoring system)
  - Bullsequana ARGOS - Job monitoring & cluster efficiency