

Ada AI/ML Workstation

The Ada AI/ML Workstation is designed to provide individual researchers and developers with a dedicated personal system that is capable of building sophisticated Artificial Intelligence and Machine Learning models, and providing professional graphics and high performance computing.

The Ada Workstation combines the powerful Threadripper Pro 7900 series processor with the AI/ML optimized W7900DS GPUs. With up to four GPUs, the Ada workstation delivers 490 TFLOPS of FP16, 244 TFLOPS of FP32 and 8 TFLOPS of FP64 GPU floating point performance. It supports HDR graphics and is an excellent choice for Virtual Reality applications. It includes both 4TB of flash SDD and has four 3.5" SSD/ HDD drive bays.

The Ada workstation is configured with OpenSUSE 15 HPC Linux and the AMD ROCm GPU software suite, including PyTorch. The performance of the Ada Workstation can support the training of highly complex AI and machine learning models. It can handle large engineering simulations utilizing fluid dynamics, finite element analysis and coupled models. It is an excellent resource for molecular dynamics, bio-informatics and drug discovery. With the Ada workstation you can execute your most demanding computationally intensive tasks in your office or lab, without waiting for slower, less powerful cloud resources.

Symmetric Computing's Ada™ Workstation delivers personal supercomputing performance to business, industry, academia and government with greater access and less cost.



System Specifications

Processors:	CPU: Single AMD 7900 series Threadripper Pro Processor (24, 32, 64, or 96 cores) GPU: 1 to 4 AMD Radeon Pro W7900DS
Memory:	512GB or 1TB 4800 MHz DDR5 ECC
Storage:	3.8TB on-board M.2 SSD 16TB SATA HDD
I/O:	2x 10 Gb/s LAN ports 8x USB 3.0 ports
Display:	DisplayPort 3x 2.1, 1x 2.1 Mini outputs with up to 77.4 Gbit/s and 12K120 display support
Environment:	2000 W Low Noise Power Supply; Low Noise full tower case
AC Input:	110/ 60Hz

Features

- Powerful dedicated personal AI/ML GPU computing
- Professional level graphics
- High Performance Computing capability

Benefits

- ✓ *Faster projects. Dedicated power when your project needs it.*
- ✓ *Affordable supercomputing for the masses*

Software Specifications

- OpenSuSe 15 Linux OS
- AMD ROCm GPU Software Environment
- Python 3.11
- Pytorch, Tensorflow, R/R-Studio, PostgreSQL
- GNU and LLVM compilers and tool sets

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