

# Pascari aiDAPTIV™ AI Training PC: Affordably Teach Yourself LLM Fine Tuning

**Cost-Effective, Personal Platform to Learn LLM Training**  
LLM training on-premises is increasing dramatically across businesses, universities, and government agencies. However, there is a shortage of skilled talent to train LLMs locally with your own data.

An aiDAPTIV AI Training PC can help bridge this gap. It provides a proven platform that allows you to leverage retrieval-augmented generation (RAG) and fine-tune LLMs on-site more affordably.



**AI Notebook PC**  
Up to 8B parameter full  
model training



**Desktop PC**  
Up to 13B parameter full  
model training

## Benefits



### Fits Your Budget

Offloads expensive HBM & GDDR memory to cost-effective flash memory. Significantly reduces the need for large numbers of high-cost and power-hungry GPU cards. Keeps AI processing where the data is collected or created, thus saving data transmission costs to and from the public cloud.



### Simple to Use and Deploy

Offers an all-in-one AI toolset that enables ingest to RAG and fine-tuning to inference using an intuitive graphical user interface. Deploys in your home, office, classroom, or data center using commonplace power.



### Keeps Data in Your Control

Enables LLM training behind your firewall. Gives you full control over your private data and peace of mind over data sovereignty compliance.

# aiDAPTIV Technology: LLM Training Integrated Solution

## aiDAPTIV Pro Suite

aiDAPTIV Pro Suite builds on Phison's aiDAPTIV memory management middleware, while also providing higher-level tools for workflow orchestration, monitoring, and AI workload execution through both command-line and graphical interfaces.



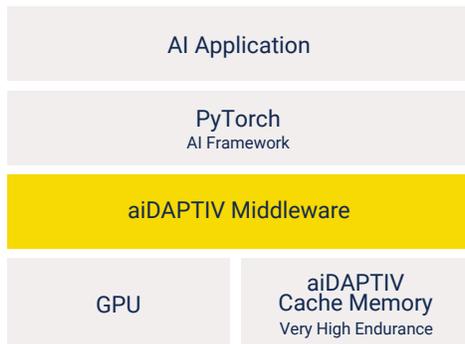
aiDAPTIV Pro Suite

## Supported Models

- LLaMA, LLaMA-2, LLaMA-3, Code LLaMA
- Mistral and other transformer-based language models
- Vision and multimodal models such as CLIP and Whisper
- Additional foundation and domain-specific models

and/or

## aiDAPTIV Middleware



## Built-in Memory Management Solution

aiDAPTIV memory management middleware transparently manages data across GPU memory, system memory, and aiDAPTIV cache memory. It enables memory-intensive AI workloads to exceed native GPU memory limits without requiring changes to existing AI frameworks or applications.

- **AI Application**
- **PyTorch / AI Runtimes:** AI Framework
- **aiDAPTIV Middleware:** Multi-tier Memory Management
- **aiDAPTIV Cache Memory:** Extremely high-endurance SSD flash memory

and

## Seamless Integration with GPU Memory

The optimized middleware extends GPU memory by an additional 2x 2TB using aiDAPTIV cache memory. This added memory is used to support LLM training with low latency. Plus, the high-endurance feature offers an industry-leading 100 DWPD, utilizing a specialized SSD design with an advanced NAND correction algorithm.

## aiDAPTIV Cache Memory

M.2 AND U.2 SSDS

