PHISON

aiDAPTIV+
Scaling Boundaries, Not Budgets

Enabling large language model training without the large-scale infrastructure.

Ease of Use
aiDAPTIV+ allows you to spend more time training your data, not your team of engineers.

Cost and Accessibility
Phison's aiDAPTIV+ leverages cost-effective NAND flash to increase access to large-language model (LLM) training with commodity workstation hardware.

Privacy
aiDAPTIV+ workstations allows you to retain control of your data and keep it on premises.

From Training to Chat
The software interface allows you to proceed from fine-tune training to chat within aiDAPTIVLink. The new chat feature rounds out aiDAPTIVLink to be a full-feature product taking you from start to success.
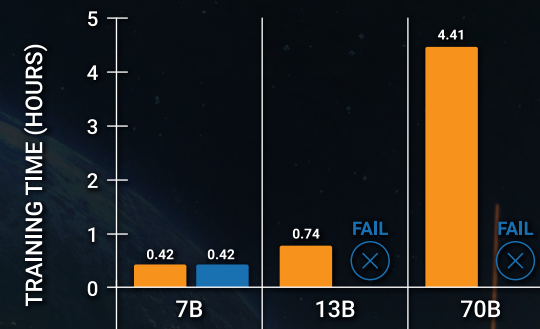
Unlock Large Model Training
Until aiDAPTIV+, small and medium-sized businesses have been limited to small, imprecise training models lacking the ability to scale beyond Llama-2 13B. Phison's aiDAPTIV+ solution enables significantly larger training models, giving you the opportunity to run workloads previously reserved for data-centers.

Bar chart — TRAINING TIME (HOURS) vs model size:
- 7B: aiDAPTIV+ 0.42, GPU Only 0.42
- 13B: aiDAPTIV+ 0.74, GPU Only FAIL (✕)
- 70B: aiDAPTIV+ 4.41, GPU Only FAIL (✕)

	7B	13B	70B
Training Set Size	140 GB	260 GB	1400 GB
HBM Pool (Usage%)	192 GB (73%)	192 GB (120%)	192 GB (729%)
Minimum GPU Count	4 / 4	4 / 6	4 / 30

Note: Scaling is linear based on GPU count and model size

- GPU Only
- aiDAPTIV+

System Configuration
- RAM: 512 GB
- GPU: 4x RTX 6000 ada
- HBM: 192 GB

Hybrid Solution
Boosts LLM Training Efficiency
Phison's aiDAPTIV+ is a hybrid software/hardware solution for today's biggest challenges in LLM training. A single local workstation or server from one of our partners provides a cost-effective approach to LLM training, up to Llama-3 70B and Falcon 180B.

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