Lenovo Education AI Labs

Empower Tomorrow's Workforce

Today's students need hands-on experience with AI. Lenovo Education AI Labs provide flexible, high-performance solutions that enable AI skilling for all learners, from early exploration to advanced model development.

Whether you're a K–12 district, university, or vocational program, our lab configurations can be tailored to your specific needs.

Key Benefits

Future-Ready
Robust specifications for demanding AI workloads.

Scalable
Entry, mid-tier, and high-end options fit different budgets and skill levels.

Flexible
On-campus labs or mobile-lab solutions that move where learning happens.

Longevity
Systems built to handle current AI tools and future expansions.

intel®

Get started with Intel AI in Education

Education Lab Contexts

On-Campus Lab

Traditional classroom/lab setups with dedicated desktop workstations or rack-mounted units.

Base/Entry Workstation	Mid-Tier Workstation	High End Workstation

Faculty Lab Workstation

Mobile Lab

Portable carts or laptop fleets for shared spaces, multi-use rooms, or flexible learning environments.

AI Development Hub

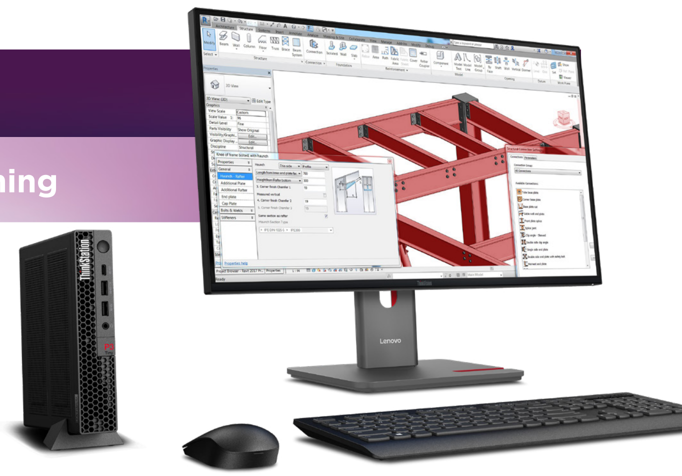
AI tool development for LLM or SLM using tools like Anaconda/Python

Recommended AI-Ready Lenovo Workstation Configurations

On-Campus Lab

Base/Entry Workstation

Light AI tasks, basic CAD, entry-level programming



Lenovo ThinkStation P3 Tiny

- Intel® Core™ Ultra 7 processor
- 32GB DDR5 memory
- 512GB NVMe storage
- NVIDIA® A1000 GPU (8GB)
- TIO24 Monitor

Mid-Tier Workstation

Advanced application workloads, small AI model training, CAD rendering

Lenovo ThinkStation P3 Ultra SFF

- Intel® Core™ Ultra 9 processor
- 64GB DDR5 memory
- 1TB NVMe storage
- NVIDIA RTX™ 2000 Ada Generation GPU (16GB)

High-End Workstation

Greatest AI performance, data analytics, heavier CAD workflows

Lenovo ThinkStation P3 Tower

- Intel® Core™ Ultra 9 processor
- 128GB DDR5 memory
- 1TB NVMe storage
- NVIDIA RTX™ 4000 SFF Ada GPU (20GB)

Faculty Lab Workstation

Best overall performance with larger AI model training, data analytics, complex CAD & research

Lenovo ThinkStation P5

- Intel® Xeon® W3-2435 processor
- 128GB DDR5 memory
- 1TB NVMe storage
- NVIDIA RTX™ 4000 Ada Generation GPU (20GB)

Mobile Lab

Mobile Workstation

Portable solution for light to moderate AI workloads & flexible classroom usage

Lenovo ThinkPad P16v

- Intel® Core™ Ultra 7 processor
- 32GB DDR5 memory
- 512GB NVMe storage
- NVIDIA RTX™ 2000 Ada Generation GPU (8GB)

AI Development Hub

AI tool development for LLM or SLM using tools like Anaconda/Python

Lenovo ThinkStation P3 Ultra SFF

- Intel® Core™ Ultra 9 processor
- 128GB DDR5 memory
- 1TB NVMe storage
- NVIDIA RTX™ 2000 Ada Generation GPU (12GB)

Lenovo ThinkStation P5

- Intel® Xeon® W3-2435 processor
- 128GB DDR5 memory
- 1TB NVMe storage
- NVIDIA RTX™ 2000 Ada Generation GPU (12GB)

Note: Remote access to these workstations can be configured with TGX.

Enhanced security and future-readiness

Lenovo workstations come equipped with robust security features and comprehensive support services to keep your lab secure and reliable.

With scalable architecture and continuous updates, our solutions are designed to evolve with the changing landscape of AI, ensuring long-term value and performance.

Jumpstart your AI lab today

Connect with your Lenovo representative or visit: lenovo.com/higher-education to learn more.

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Sustainability and efficiency

Lenovo's workstations are designed to be energy efficient, aiding your business in achieving environmental goals while reducing operating costs.