

Lenovo
ThinkPad

Lenovo ThinkPad P16

Engineered for AI.
Built for mobility.



That's the power of Intel Inside®



Lenovo

Designed for data scientists and AI developers, the Lenovo ThinkPad P16 delivers the uncompromising power of a desktop workstation in a sleek, mobile form factor—perfect for developing, fine-tuning, and deploying AI models on the go.

While it excels at everyday AI PC tasks that enhance productivity and collaboration, the P16 truly shines in advanced AI development scenarios. From data preparation and model fine-tuning to real-time inference and agentic workflow development, it's equipped with Intel® Core™ Ultra 200HX series processors, an integrated NPU, and NVIDIA RTX PRO™ 5000 Blackwell Generation graphics to handle the most demanding AI workloads locally, minimizing reliance on costly cloud resources.

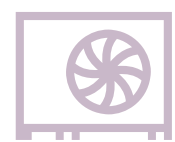


Power through AI workloads on-the-go

TANDEM
OLED Display

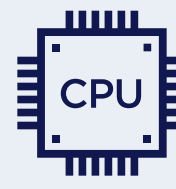
Up to
192GB
DDR5 5600MT/s
non-ECC memory

Up to
12TB
M.2
PCIe Gen5 NVMe
Performance SSD
storage

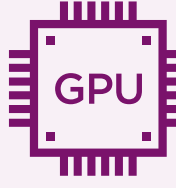

Flex Cooling
system


Universal Type-C
charging


Intel® Wi-Fi 7
(5 Gig)
WWAN for expanded
connectivity

 Intel® Core™
Ultra 9 processor
(Series 2)

HX SERIES
(up to 24 cores, up to 5.5GHz)

 Up to NVIDIA
RTX PRO
5000

Blackwell Generation Mobile
GPU (24GB GDDR7 Memory)

Up to
1860
TOPS CPU

36 TOPS (CPU, NPU, iGPU);
dGPU: up to 1824 TOPS
(Depending on dGPU)

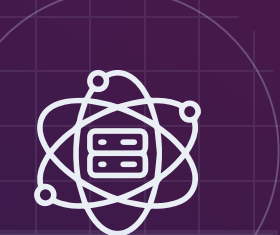
From data prep to deployment

The Lenovo ThinkPad P16 is a powerful on-ramp to AI—engineered to deliver the high-performance computing and developer-centric efficiencies essential for modern AI innovation. Powered by Intel® Core™ Ultra processors and NVIDIA RTX PRO™ Blackwell Generation graphics, it supports key stages of AI development, including:



Rapid prototyping,
debugging, and
testing of machine
learning models.

2 Iterative AI/ML
development



3 Model fine-
tuning

Refining ML and
GenAI/LLM models
locally, on the go, or
at the edge.

Running inference on
trained models for
validation, testing, or
deployment in field
environments.

4 Model inference
and testing



5 Agentic workflow
development

Implementing agentic/
non-agentic workflows
and AI agents to improve
task accuracy, efficiency,
and responsiveness.

1 Data munging

Collecting, preparing,
cleaning, and
transforming data for
model development.

Why Lenovo Workstations for AI development

Robust performance for AI workloads

Powered by Intel® Core™ Ultra processors, workstations like the ThinkPad P16 deliver exceptional multi-threaded performance and efficient multitasking—ideal for data preprocessing and inference. Integrated with NVIDIA RTX PRO™ Blackwell Generation GPUs, they enable seamless acceleration of complex AI workloads



Enterprise-grade security

With Intel's hardware-level protections, including Intel vPro®, Trusted Execution Environments (TEE), Secure Boot, and advanced firmware safeguards—ensure your data, models, and intellectual property remain protected throughout the AI development lifecycle.



Optimized for leading AI tools

With support for OpenVINO™, oneAPI, and the Intel Distribution for Python—as well as smooth integration with TensorFlow, PyTorch, and scikit-learn—developers can work efficiently across platforms with the flexibility and consistency they need to innovate faster.



Discover our full line-up of Intel powered workstation solutions

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Smarter
technology
for all

Lenovo

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