



Lenovo

Enhance the Power of AI

Empowering Next-Gen Manufacturing

Generative AI and data science workflows are understandably complex, and as technology rapidly evolves, it can be challenging to know how to start and scale as your workflow evolves.

Lenovo has developed the broadest portfolio of AI solutions from pocket to cloud, with Lenovo ThinkStation & ThinkPad P Series workstations powered by the latest Intel® processors, delivering the highest performance levels to tackle your most demanding AI workflows. Our mobile and desktop workstations are the perfect companion for AI professionals as they start their AI journey.



AI Use Cases

1 Generative Design

With generative design, explore manufacturing-ready outcomes early in the production process by rapidly testing, analyzing, and evaluating iterations. Optimize cost, material, and manufacturing techniques to reach market faster.

2 AI-Accelerated Simulation

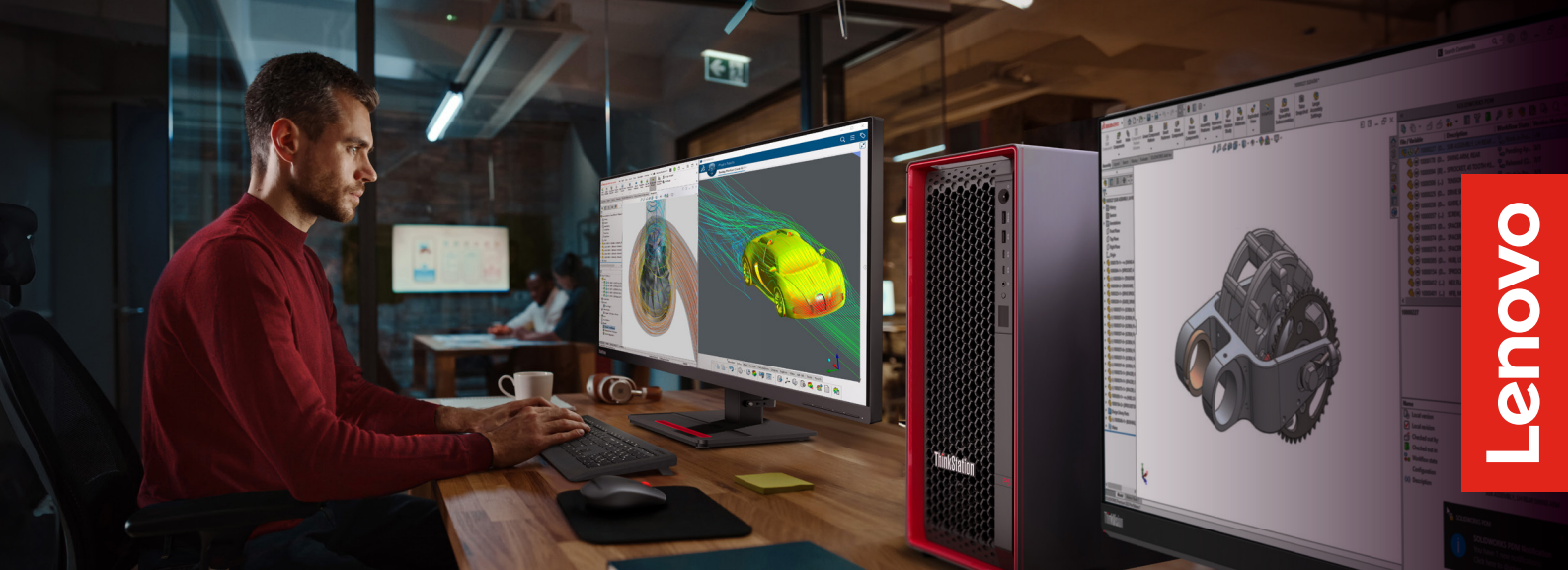
Accelerate your favorite computer aided engineering solvers with the power of high-performance compute. From finite element analysis and computational fluid dynamics to any multi physics solver, you can rapidly test design alternatives throughout every design phase right on your AI-enabled Lenovo workstation.

3 AI-Accelerated Visualization

AI rendering solutions merge real and digital worlds, creating physically accurate digital twins for manufacturing projects. These solutions unify, visualize, simulate, and analyze large datasets, facilitating real-time collaboration and error reduction.

4 AI Model Training & Fine Tuning

Develop bespoke AI models and generative AI applications using vast quantities of data. This approach allows organizations to leverage data-driven insights for improved project and workflow outcomes.



Recommended **AI-Ready** Lenovo Workstation Configurations

ThinkPad P1

- Up to Intel® Core™ Ultra 9 processor with Intel vPro® (up to 16 cores, up to 5.1GHz)
- Up to NVIDIA RTX™ 3000 Ada Generation Mobile (8GB VRAM)
- Up to 64GB LPDDR5x 7467MT/s



ThinkStation P5

- Intel® Xeon® W-2400 processor (up to 24 cores, up to 4.8 GHz)
- Up to 2x NVIDIA RTX™ 4000 Ada Generation (24GB VRAM)
- Up to 512GB DDR5 ECC



ThinkStation P7

- Intel® Xeon® W-3400 processor (up to 56 cores, up to 4.8GHz)
- Up to 2x NVIDIA RTX™ 5000 Ada Generation (32GB VRAM)
- Up to 2TB DDR5 ECC



ThinkStation PX

- Dual 4th Gen Intel® Xeon® Scalable processors (up to 120 cores, up to 4.1GHz)
- Up to 4x NVIDIA RTX™ 6000 Ada Generation (48GB VRAM)
- Up to 4TB DDR5 ECC



Generative AI Inferencing

Generative AI Development

AI-Accelerated Simulation & Visualization

AI Model Training & Fine Tuning

Sustainability and Efficiency

Lenovo's workstations are designed with energy efficiency in mind, aiding your business in achieving environmental goals while reducing operating costs.



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About Lenovo

Lenovo is a US\$62 billion revenue global technology powerhouse, ranked #217 in the Fortune Global 500, employing 77,000 people around the world, and serving millions of customers every day in 180 markets. Focused on a bold vision to deliver Smarter Technology for All, Lenovo has built on its success as the world's largest PC company by further expanding into growth areas that fuel the advancement of 'New IT' technologies (client, edge, cloud, network, and intelligence) including servers, storage, mobile, software, solutions, and services. This transformation together with Lenovo's world-changing innovation is building a more inclusive, trustworthy, and smarter future for everyone, everywhere. Lenovo is listed on the Hong Kong stock exchange under Lenovo Group Limited (HKSE: 992)(ADR: LNVGY). To find out more visit <https://www.lenovo.com>, and read about the latest news via our [StoryHub](#).