

Right-sized hardware performance. Outsized impact.

How the Lenovo ThinkStation P4 powers modern AEC workflows.

AMD

RYZEN

PRO 9000 Series

Lenovo

What does right-sized workstation performance mean for your projects? Discover the four AEC workflows where the ThinkStation P4, advanced by AMD, comes into its own.



BIM and coordination.

- Managing large BIM models
- Coordinating updates across teams
- Supporting multi-discipline coordination

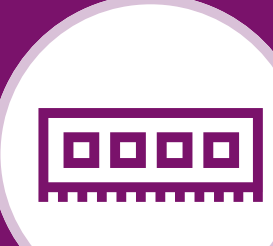
Challenges



- Memory limitations cause crashes
- Slow model loading and navigation
- Multi-app workflows strain systems

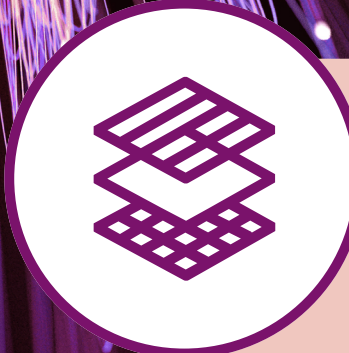
ThinkStation P4

- ✓ High memory capacity for large models
- ✓ Reliable workstation performance for BIM workflows
- ✓ Handle large BIM datasets locally



Up to 256GB DDR5 memory

ISV-certified for industry-leading AEC software



Simulation and analysis.

- Running simulations
- Processing large datasets
- Iterating design scenarios

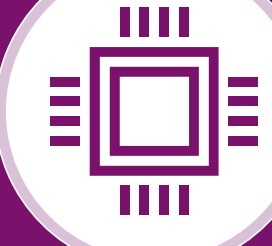
Challenges



- Long compute times slow iteration
- Systems overheat under heavy workloads
- Performance throttles with sustained processing

ThinkStation P4

- ✓ Right-sized performance for demanding workloads
- ✓ Speed and scalability for large datasets
- ✓ Advanced thermal architecture for sustained performance



AMD Ryzen™ PRO 9000 Series processors

Advanced thermal design, with liquid cooling available for CPU options up to 170W



Visualization and rendering.

- Rendering in real-time
- Creating high-quality visualizations
- Delivering AR or VR experiences

Challenges



- Long render times delay feedback
- Lag during real-time reviews
- Graphics-heavy workloads overwhelm hardware

ThinkStation P4

- ✓ Professional GPU support for visual workflows
- ✓ Smooth real-time-visualization performance
- ✓ Faster rendering and design reviews



Supports NVIDIA RTX PRO 6000 Blackwell GPUs

Multi-display support via DisplayPort 2.0 / HDMI 2.1



Collaboration and large project files.

- Sharing large project models
- Coordinating work across teams
- Managing large datasets

Challenges



- Network dependency slows collaboration
- Limited storage restricts project files
- Large datasets are slow to access and manage

ThinkStation P4

- ✓ High-capacity storage for large datasets
- ✓ Faster local access to project files
- ✓ Modern I/O for high-speed data workflows



Up to 45TB storage capacity

2.5GbE networking



Now is the time to step into super.

Models are bigger, datasets are richer, and new workflows are changing how your teams work. The ThinkStation P4 delivers the performance AEC firms need to keep up and push projects further.



Take the next step.

Learn more about the ThinkStation P4 and the capabilities behind its right-sized performance.

Explore the P4 and contact your Lenovo rep today.

[Learn more](#)

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