

# Smarter works in real-time



Solution Brief



ThinkStation ThinkPad

# Render Them Speechless

Create real-time experiences with Twinmotion and Lenovo Workstations, powered by NVIDIA RTX™ professional graphics.

Real-time experiences are transforming the way architects, designers, and engineers visualize throughout the entire AEC lifecycle. From visual storytelling and collaboration to immersive design and digital twins, Twinmotion makes real-time rendering easy for everyone. Transform your BIM model into compelling real-time experiences faster and more easily than you ever thought possible.

To create great real-time experiences with Twinmotion, you need a great workstation. Lenovo ThinkStation and ThinkPad P Series Workstations, with NVIDIA RTX professional graphics, are the perfect companion for architects, designers, and engineers using Twinmotion to create lifelike real-time experiences. Now DXR/RTX enabled, Twinmotion 2021.2 will produce photorealistic images faster than ever before with your Lenovo P Series Workstation and NVIDIA RTX

professional graphics. Based on the latest NVIDIA® Ampere GPU microarchitecture, NVIDIA RTX GPUs harness the power and performance of NVIDIA RT Cores and Tensor Cores to deliver real-time high-fidelity visualization. By drawing on the large GPU memory offered by NVIDIA professional GPUs, architects and designers can smoothly work with massive 3D models and scenes and quickly iterate to create the most compelling renders.





**Empowering  
designers  
to create  
and share  
real-time  
stories and  
experiences.**

## Real-time Immersive 3D Architectural Visualization

Twinmotion is an easy-to-use visualization tool for architecture, engineering, construction, urban planning, and landscaping professionals—combining an intuitive icon-driven interface with the power of Unreal Engine.

Twinmotion delivers an unprecedented real-time quality experience and can be learned over a lunch break.

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### Featuring



**One-click** synchronization with many major CAD, BIM, and modeling solutions.



Over **ten thousand** high-quality 2D and 3D **assets**; you can easily create images, animations, panoramas, VR videos, and interactive client presentations all from the same Twinmotion scene.

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Only Twinmotion gives you access to Twinmotion Cloud, accessible directly via desktop and tablet web browsers, making it easy to share interactive content with stakeholders. And only Twinmotion lets you take your project to the next level by importing it into Unreal Engine—further refining it with advanced behaviors, animations, and best-in-class rendering features.

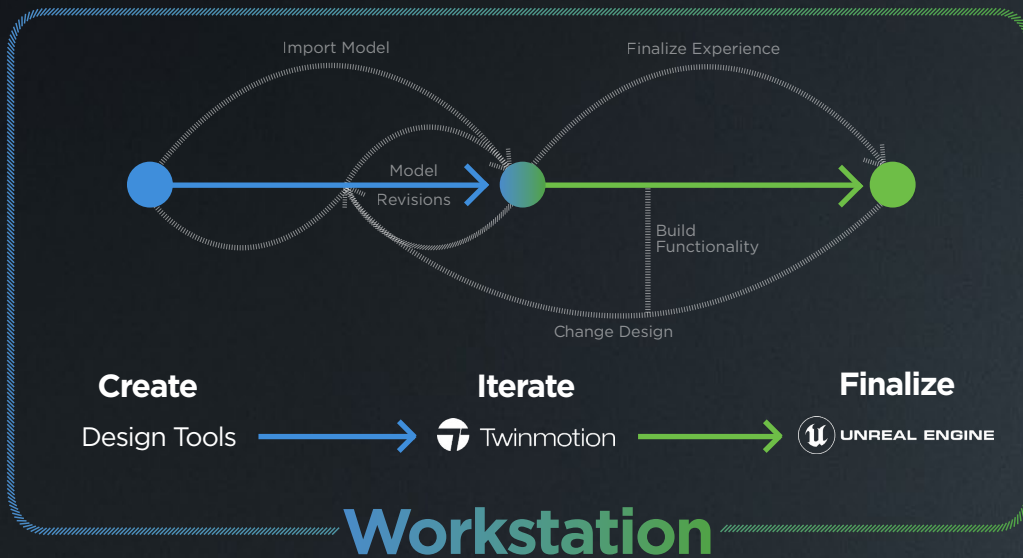
Lenovo P Series

# Workstation power and performance wherever work takes you

To create great real-time experiences with Twinmotion, you need great workstation hardware. Lenovo ThinkStation and ThinkPad P Series Workstations, with NVIDIA RTX Workstations, with NVIDIA RTX professional graphics, are the perfect companion for architects, designers, and engineers using Twinmotion

to create lifelike real-time experiences. Wherever work takes you, you can rely on the power and performance of the Lenovo ThinkStation P620 and ThinkPad P1—thanks to NVIDIA RTX™ GPUs that make light work of Twinmotion's new RTX enabled path tracer.

## Better Together



Solving design problems using real-time technology



# ThinkStation ThinkPad



# Power, Reliability, Speed

## Lenovo ThinkStation P620

Have you ever wanted the power of a datacenter on your desktop to manage your most complex BIM projects? Now you can create interactive real-time visuals with

Twinmotion faster than ever before and manage every aspect of your BIM workflow with the Lenovo ThinkStation P620.



AMD Ryzen™ Threadripper™ PRO Processor (up to 4.5GHz; up to 64 Cores)



Up to 512GB 3200MHz memory



Up to 2x NVIDIA RTX™ A6000 graphics cards



First and only Gen 4 support for PCIe slots and M.2 storage to optimize your tech investment



Up to 20TB of storage



Air cooled thermals

## Redefining Mobility for the New Normal: Lenovo ThinkPad P1

Extraordinary power, comfort, and convenience in a compact, light Ultrabook format.

- Lenovo's thinnest and lightest 16" mobile workstation
- 16" 16:10 QHD+/UHD+ Display with low blue light
- Up to NVIDIA RTX A5000 graphics
- 11<sup>th</sup> Gen Intel Core or Xeon

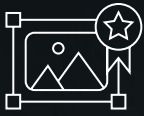


# Rendering is Real Time

## Reliable, Powerful Lenovo Workstations with NVIDIA

Lenovo focuses on power, performance, and industry-leading reliability in every ThinkStation and ThinkPad we design. By combining the absolute top-of-the-line components—like NVIDIA RTX GPU's ground-breaking designs—we can push our systems harder and have the raw power necessary to handle the most demanding BIM and visualization workloads.

### With Twinmotion, you can easily create real-time rendering:



High-quality images



Animations

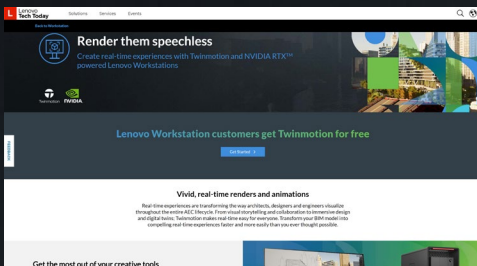


Presentations in the cloud



VR walkthroughs

### Learn More about Lenovo Workstations and Twinmotion:



Visit: [Tech Today](#)

Watch: [Video](#)



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