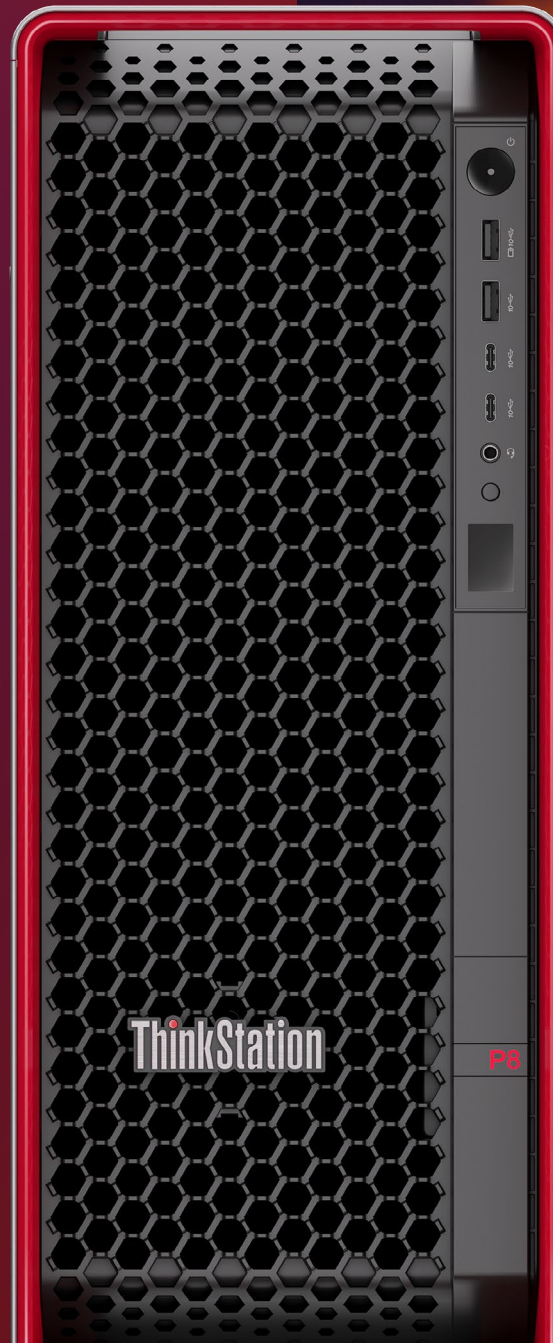


Lenovo
ThinkStation

Lenovo ThinkStation P8

**Smarter
creates
the
future**

M&E Solution Brief



Lenovo

A powerful solution for complex IT requirements

Designed specifically to provide fast, reliable processing power, the Lenovo ThinkStation P8 has the specifications professionals from all industries need when working with complex applications.

The ThinkStation P8 combines the professional power of both AMD Ryzen™ Threadripper™ PRO 7000 WX-Series processors with NVIDIA RTX™ professional graphics capability to directly address the technological complexity that IT departments often face. Offering up to 96 cores, the P8 allows companies to scale up while easily managing the technology that is powering their growth.

Perfect for any production function across film, television, and game development, no other workstation offers as much flexibility and power in a single CPU workstation package.

With enterprise-grade features, software certification, and security, this system supplies power and speed to superusers when they need it most. Empower your workforce with the next generation of workstation technology and enjoy the endless possibilities the ThinkStation P8 offers.

AMD
THREADRIPPER
PRO



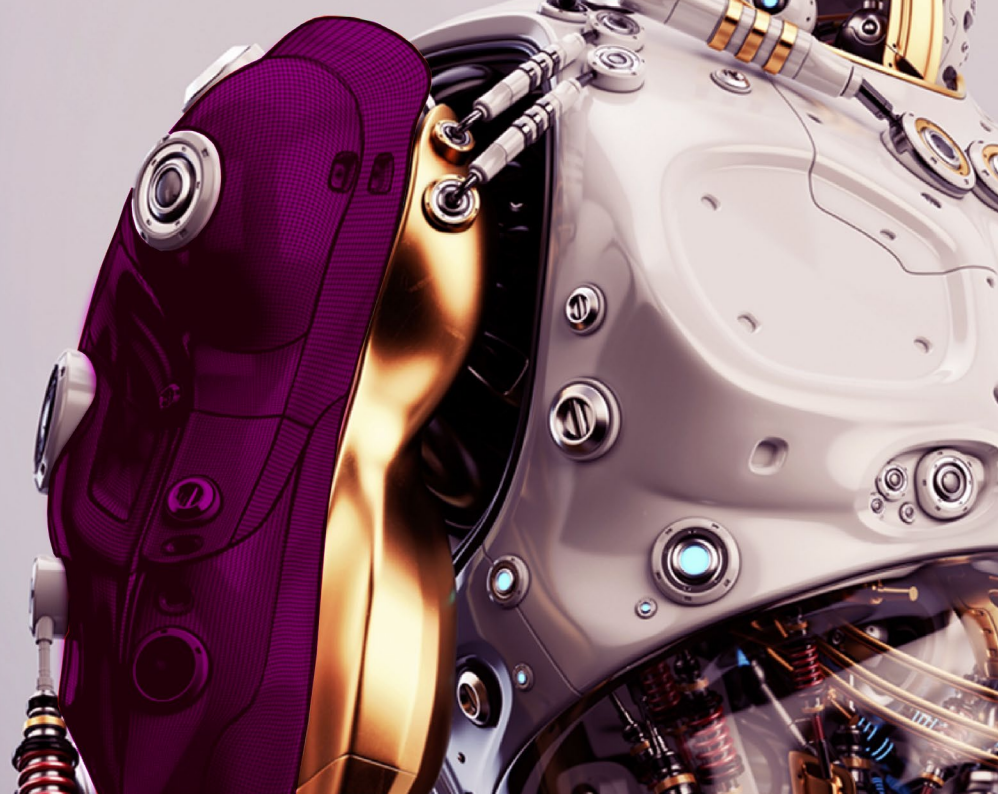
How the Thinkstation P8 Enhances M&E Workflows

The P8 delivers what is most important for you as an artist: a platform that can keep up with the speed of your creativity.

3D Modelers and Animators

Workflow: Modeling, texturing, rigging, animation, and simulation

Description: Perfect for animation specialists creating photorealistic or stylized characters, environments, and props for film, television, and gaming. Most 3D applications operate best with high-frequency CPUs, and the P8 delivers up to 5.3 GHz (at 16 cores) with AMD Ryzen™ Threadripper™ PRO 7000 WX-Series processor. PCIe 5.0 facilitates faster read/write times and graphics performance. The latest NVIDIA RTX GPUs accelerate 3D modeling and animation workflows with real-time ray tracing and AI enhanced tools. The P8 provides a flexible platform to maximize your productivity and creative capabilities.



Compositors, Editors, and Colorists

Workflow: Adding and removing elements within an image or image sequence, editing and color correction

Description: Artists tasked with bringing the director's vision to life need a workstation that is capable and can reliably run at peak performance. The P8 delivers both high clock speed and high core count CPUs—ideal for compositing, editing, and creative finishing solutions. With 8-channel memory architecture and 10Gb Ethernet included, you have what you need to take on the most complex and challenging projects.



How the ThinkStation P8 enhances M&E workflows

Release & Build Specialist

Workflow: Prepare, configure and test game builds

Description: Specialists managing the game build process, whether for mobile, console, or PC titles, need a workstation that minimizes build times. With fast, high core count CPUs, ample fast storage and the ability to move data on and off the build system via 10Gb Ethernet, the P8 delivers the capabilities today's game developers require.

Rendering Specialist

Workflow: Render project setup, monitor, and review

Description: Ideal for rendering specialists creating photorealistic and stylized renderings for film and television. With never-before-seen compute capabilities in an affordable package, the P8 provides high core count, high frequency CPUs. NVIDIA RTX technology delivers state-of-the-art visualization faster than ever before, with AI-enhanced tools that automate and reduce render times and cost per frame for tedious, time-consuming tasks.



Image courtesy of NeoScape
Real-time ray tracing interior

P8 configurations for M&E workflows

3D Modelers & Animators

Workflow: Modeling, texturing, rigging, animation, and simulation

- CPU:** AMD Ryzen™ Threadripper™ PRO 7955WX (16-cores at 5.3GHz)
- GPU:** NVIDIA RTX 5000 Ada
- Memory:** 64GB DDR5, 4800MHz, ECC
- HDD 1:** 1TB M.2 SSD (OS/apps)
- HDD 2:** 2TB M.2 SSD (content)

Compositors, Editors, & Colorists

Workflow: Editing images or image sequences and color correction

- CPU:** AMD Ryzen™ Threadripper™ PRO 7965WX (24-cores at 5.3GHz)
- GPU:** NVIDIA RTX 5000 Ada
- Memory:** 128GB DDR5, 4800MHz, ECC
- HDD 1:** 1TB M.2 SSD (OS/apps)
- HDD 2:** 2TB M.2 SSD (content)

Rendering Specialists

Workflow: Render project setup, monitor, and review

- CPU:** AMD Ryzen™ Threadripper™ PRO 7985WX (64-cores at 5.1GHz)
- GPU:** Dual NVIDIA RTX 6000 Ada
- Memory:** 256GB DDR5, 4800MHz, ECC
- HDD 1:** 1TB M.2 SSD (OS/apps)
- HDD 2:** 2TB M.2 SSD (content)

Release & Build Specialists

Workflow: Prepare, configure, test, and oversee the game build process

- CPU:** AMD Ryzen™ Threadripper™ PRO 7995WX (96-cores at 5.1GHz)
- GPU:** NVIDIA RTX 4000 Ada
- Memory:** 256GB DDR5, 4800MHz, ECC
- HDD 1:** 4TB M.2 SSD (OS/apps/content)
- HDD 2:** 4TB M.2 SSD (content)
- HDD 3:** 4TB M.2 SSD (content)

Performance Gains for ISV applications include:



Transforming what is possible in a single-CPU workstation

The ThinkStation P8, with its game-changing capabilities, is perfect for any production function across the film, television, and game development industries.

As project size and complexity continue to evolve across organizations, power users are finding their current systems struggle to keep up with their scaling workloads. The P8 delivers a powerful solution to these difficult challenges.

Collaborating with AMD and NVIDIA means our workstations will effortlessly tackle even the most complex visual workflows. Our workstations enable power users to create revolutionary products, design energy-efficient buildings, produce groundbreaking visual effects, develop the next chemical compound for drug discovery, and process tens of thousands of images in a 3D scan—better, smarter, and faster than ever before.

AMD
THREADRIPPER
PRO



Lenovo

Game Changing Power

Configured to meet your unique needs, the P8 provides 12, 16, 24, 32, 64, and 96 core high-frequency AMD Ryzen™ Threadripper™ PRO 7000 WX-Series processors with PCIe Gen 5.0 for the fastest data read/write times. Coupled with support for up to 3 NVIDIA RTX 6000 Ada graphics and 8-channel memory architecture, the P8 provides limitless power, reliability, and flexibility.

[Learn more](#)

[Learn more about the ThinkStation P8](#)

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Stunning Visuals

Pair the ThinkStation P8 with dual P32pz-30 or P27pz-30 displays for optimal productivity and user experience, featuring QHD resolution, daisy-chain connectivity, and factory color calibration, our professional displays enable a great out-of-the-box experience with simplified set up and deployment.