

Lenovo
ThinkStation

The Pinnacle of Lenovo Technology

ThinkStation PX, P7, and P5
M&E Solution Guide



Smarter
technology
for all

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High Performance Technology for Media & Entertainment

Designed in conjunction with artists and studios, the Lenovo ThinkStation PX, P7 and P5 are our most powerful workstation solutions ever. With the flexibility to power any production function from 2D/3D animation, compositing, and editing to creative finishing and virtual production, these are the ultimate workstations for media and entertainment professionals.

The ThinkStation PX, P7, and P5 feature a groundbreaking chassis design, the most advanced Intel® Xeon® technology and support for even more high-end NVIDIA RTX™ graphics cards. The new tool-less chassis features an advanced thermal architecture to maximize performance for ultimate flexibility and enhanced ergonomics, allowing power users to amplify every single stage of their complex workflows—and rack optimization provides deployment flexibility from the desktop to the data center. Whether you are color grading a project, on a virtual production set, or sitting in your office, these next-generation desktop workstations offer high-performance flexibility and scalability like never before.

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Lenovo ThinkStation PX, P7, P5

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3D Modelers and Animators

Workflows: 3D modeling and animation

Description: The ThinkStation P7 and P5 deliver what is most important for you as an artist — a workstation that can keep up with the speed of your creativity. Perfect for animators creating photorealistic or stylized characters, environments, and props for film, television, and gaming, these next-generation ThinkStations deliver game-changing power and performance. With the latest, most advanced Intel Xeon technology and NVIDIA RTX Ada Generation GPUs to accelerate 3D modeling and animation workflows with real-time ray tracing and AI enhanced tools, the P7 and P5 provide a flexible platform to maximize your productivity and creative capabilities.

Recommended configurations:

	ThinkStation P5	ThinkStation P7
CPU:	Intel Xeon W5-2455X (12-cores up to 4.60 GHz)	Intel Xeon W5-3435X (16-cores up to 4.70 GHz)
GPU:	NVIDIA RTX A4500	NVIDIA RTX 6000 Ada
Memory:	64GB	128GB
SSD:	1TB M.2	1TB M.2

Key Software Applications:



Autodesk® 3ds Max®, Autodesk® Maya®, Blender®, Maxon Cinema 4D®, Pixologic® ZBrush®, SideFX® Houdini®



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Compositors, Editors, and Colorists

Workflows: **Compositing, editing, and creative finishing**

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 ThinkStation PX and P7 deliver both high clock speed and high core count Intel Xeon CPUs — ideal for compositing, editing, and creative finishing solutions. With a rack optimized chassis, DDR5 memory, and larger and redundant PSUs, you have what you need to iterate more easily without worrying about the technology driving your art.

Recommended configurations:

	ThinkStation P7	ThinkStation PX
CPU:	Intel Xeon W7-3445X (20-cores up to 4.80 GHz)	Dual Intel Xeon Gold 5420+ (28-cores up to 4.10 GHz)
GPU:	NVIDIA RTX A5500	NVIDIA RTX 6000 Ada
Memory:	128GB	256GB
SSD:	1TB M.2 (OS & applications)	1TB M.2 (OS & applications)
SSD 2:	1TB M.2 (cache & content)	1TB M.2 (cache & content)

Key Software Applications:



Autodesk® Flame®, Blackmagic Design DaVinci Resolve, Adobe® After Effects®, Adobe® Premiere® Pro, Foundry Nuke®, Avid® Media Composer®



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Game Developers

Workflows: **Game development**

Description: The ThinkStation PX, P7, and P5 are ideal for all aspects of game development, from asset creation and performance capture, to programming and compiling or building. With never-before-seen Intel Xeon compute capabilities and NVIDIA RTX technology delivering state-of-the-art on-screen performance faster than ever before, these new workhorses can power artists and studios developing the most engaging and immersive game titles for consoles, PCs or mobile devices.

Recommended configurations:

ThinkStation P5

CPU: Intel Xeon W5-2455X
(12-cores up to 4.60 GHz)
GPU: NVIDIA RTX A4500
Memory: 128GB
SSD: 1TB M.2
SSD 2: N/A

ThinkStation P7

CPU: Intel Xeon W9-3495X
(56-cores up to 4.80 GHz)
GPU: NVIDIA RTX A5500
Memory: 256GB
SSD: 1TB M.2 (OS & applications)
SSD 2: 4TB M.2 (content)

Key Software Applications:



Epic Unreal Engine, Unity real-time development platform, in-house developed technologies



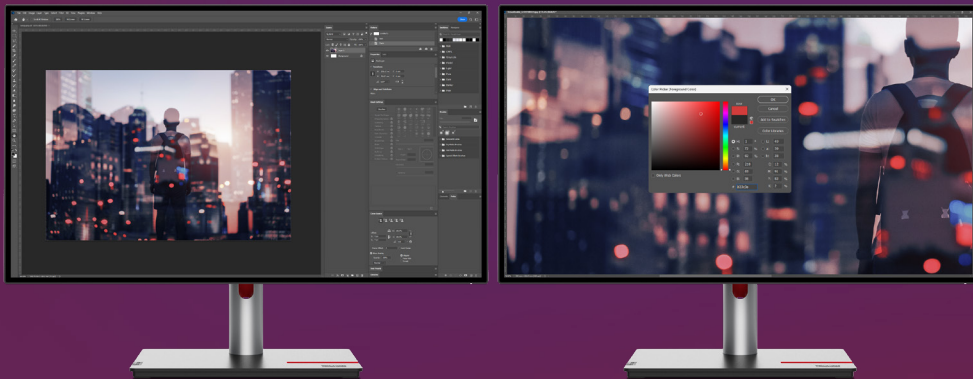
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Media and Entertainment Solution Accessories

Enhance your media and entertainment workflows with our tailored accessory solutions

Designing, creating, and innovating have never been more seamless. Our suite of M&E solution accessories are meticulously designed to transform your workspace into a powerhouse of productivity.



Dual ThinkVision P27h-30 Monitors

27-inch monitor with QHD resolution and an IPS panel for crystal-clear, vivid imaging. With its USB Type-C interface and integrated hub, it provides seamless connectivity and smart power management. This monitor is ideal for multitasking, enhancing productivity, and providing a superior viewing experience.



ThinkReality A3

Experience the fusion of the real and the virtual world in unparalleled detail with ThinkReality A3 glasses, your ultimate gateway to augmented reality.

ThinkPad Thunderbolt 4 Workstation Dock

Unleash the full potential of your workspace with the ThinkPad Thunderbolt 4 Workstation Dock, a one-stop solution for unrivaled connectivity and productivity.



ThinkPad X1 Active Noise Cancellation Headphones

Immerse yourself in pure, uninterrupted sound with the ThinkPad X1 Active Noise Cancellation Headphones - your perfect partner for unrivaled audio clarity.

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Transforming the Art of What's Possible

As data sets, project sizes, and complexity continue to evolve across organizations, workstation users are finding their current systems can't keep up with their scaling and demanding workloads. The ThinkStation PX, P7, and P5 provide the superior level of performance needed to address these complex challenges.



Iconic Chassis, Inspired by Aston Martin

Features an advanced thermal architecture to maximize performance of ultra-high-end components



Desktop-to-Data Center Flexibility

Rack-optimized, 5U or 4U chassis with easy to attach rail kits and non-disruptive workstation acoustics in the ThinkStation PX and P7



Breakthrough Compute Architecture

Up to dual Intel Xeon Scalable processors and the latest Intel Xeon W-3400 processors delivering up to 56 cores in a single-socket platform



Superior Graphics Support

Up to 4 NVIDIA RTX 6000 Ada Generation GPUs can power virtual workstations and enable multi-user collaboration



Innovative, Modular Design

Offers greater expandability with hot-swap, front access storage for tool-less modifications and easy upgrades



Flexible High-Performance Configurations

CPU cores and memory are scalable based on workload with multiple options for power supplies and storage capacity

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