

Rewrite What's Possible

ThinkStation P620
Solution Guide

AMD
THREADRIPPER
PRO



Lenovo

The Challenge: Increasing Project Complexity and Technology Barriers

Today's digital working environments are packed with ever-scaling projects and increasingly complex workflows.

From architects, engineers, and designers, to AR/VR content creators, creative professionals everywhere are finding they rely heavily on condensed core counts for the multi-threaded applications they use every day.

As the individual needs of visual artists, architects, and engineers become more complex, users and IT departments alike need a solution that removes technical restrictions, allowing creative teams to push the boundaries of their potential even further.

This means applying solutions with enterprise-grade features, certifications, security, and support; avoiding the fallout from unvalidated solutions that can cause strain on manageability and scalability across the organization.



As project size and complexity continue to evolve, users are finding current systems are struggling to keep up



Game-changing Performance With Endless Possibilities

From design and visualization to rendering and AI, enterprise users require a technical solution that will outperform what was previously possible.

Introducing the Lenovo ThinkStation P620: Offering the highest core count available in a professional workstation today, the P620 is the and only workstation powered by AMD Ryzen™ Threadripper™ PRO processors.

Not only does this deliver superior power and performance for its users, but it also provides best-in-class features, reliability, and flexibility. Designed to work within some of the most demanding and professionally managed IT environments, the ThinkStation P620 provides essential world-class features.

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It's Time to Change the Game

- ✓ The first single-CPU system of its kind
- ✓ Groundbreaking 64 cores provide an astonishing 128 threads
- ✓ Clock speeds of up to 4.5GHz



Packed with Power

From blazing-fast renders, 3D graphics, visualizations and simulations, artificial intelligence, deep data analytics, and beyond, you'll get so much more done, a lot faster.

Whether you work in media and entertainment, architecture, engineering, or finance, your processor-intensive applications will thrive on the extraordinary power of the Lenovo ThinkStation P620.



FASTEST POSSIBLE DATA I/O

Future-proofing the investment to leverage faster storage, graphics or any new PCIe Gen 4 offerings.



STORAGE AND RAM

Up to 1TB DDR4 3200MHz 8 channel memory, and up to 20TB of storage, providing ultimate data accessibility



FLEXIBILITY

Providing tool-less expandability for the greatest return on investment



FAST ONBOARD CONNECTIVITY

10Gb Ethernet as standard ensures rapid network connection without using a PCIe slot.



Increasing Your Team's Power and Potential

The new ThinkStation P620 will not only provide hard-working creative teams with the tools they need to continue to be productive, but it will empower them to do even more. Choose a workstation that can offer the

ongoing professional support your team deserves and equip your workforce with the highest-performing technology. Watch productivity and performance boost with the ThinkStation P620.

Powered by NVIDIA

The ThinkStation P620, powered by NVIDIA RTX™ professional graphics, is designed specifically to tackle even the most complex visual workflows.

Equipped with up to dual NVIDIA RTX A6000 GPUs or 4 NVIDIA RTX 4000 GPUs

By leveraging dynamic application performance and expansive virtual workspaces, power users are now able to create revolutionary products and produce groundbreaking visual effects-better, smarter, and faster than ever before.



The Complete Package

Previously, when power users maxed out their system's processing and graphics capabilities, IT departments were pushed to try new technologies before they were vetted. Without enterprise-grade features, certifications, security or support, these unvetted systems were not a scalable solution.

By combining Lenovo's unbeaten reliability and customer-driven innovation with professional manageability, security, and world-class support, the ThinkStation P620 equips IT departments with a scalable solution that meets their power users' unique needs.

Purpose-built with versatility in mind, this professional-grade solution is also dynamic enough to be customized as your needs change and evolve.



Reliability

The P620 takes care to support all of its components. With this much power, speed, reliability, and stability all in one system, Lenovo collaborated with AMD to create a heat sink that accommodates increased thermal requirements.



Enterprise-Class Features

Incorporating Lenovo's rigorous standards and testing as well as ThinkStation Diagnostics 2.0, ThinkShield support, upgrades to Premier Support, and a three-year warranty, delivering the peace of mind needed to work securely and confidently.



Security

With advanced security features at silicon level, the AMD Secure Processor validates code before its execution to help ensure data and application integrity. AMD Memory Guard enables full memory encryption to help protect sensitive data against advanced physical attacks.



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