

ThinkStation P620 Features



Lenovo

At Lenovo, ThinkStation systems relentlessly challenge the norm from generation to generation. We continue to build workstations that are more powerful, more reliable, and more valuable to our customers, using our exceptional designs and engineering to balance innovation, power, generation to generation. We continue to build workstations that are more powerful, more reliable, and more valuable to our customers, using our exceptional designs and engineering to balance innovation, power, performance, quality, and user experience to a level that's second to none. Let's take a look at how the ThinkStation P620 can provide solutions to common customer problems.

The Problem: A growing Architecture, Engineering, and Construction (AEC) firm with an increasing number of projects is having difficulty providing high-end workstations to their increasing fleet of engineers and designers. Part of the problem is the cost involved to acquire or build these systems, as they have had to rely on scalable or expensive CPUs and GPUs to piece together adequate white boxes.

The Solution: The ThinkStation P620 offers AEC firms dual CPU performance with just a single AMD Ryzen Threadripper PRO processor—providing more value for their money! Add in up to dual NVIDIA RTX A6000 or four NVIDIA RTX A4000 graphics, plentiful storage support, and serious memory capacity, and AEC customers will be able to provide their engineers and designers with much more than just “adequate” white boxes.

The Problem: Customers in the Oil and Gas industry must often manage complex workflows with systems that operate with a limited number of threads. This limits their ability to do multiple tasks at the same time, thereby inhibiting performance.

The Solution: The ThinkStation P620, with the AMD Ryzen Threadripper PRO, can provide Oil and Gas customers with industry-leading core and thread counts—up to 64 cores and 128 threads or 12 cores at up to 4.5GHz on a single processor—to give them unmatched multi-threaded performance to handle multiple workflow tasks at the same time.

Positioning the ThinkStation P620 Among the ThinkStation Portfolio

Let's look at topics to discuss when starting a conversation with customers who ask how the ThinkStation P620 fits in with the other workstations in the ThinkStation portfolio.



Mainstream

The P620 positions as a mainstream—albeit exceptional—workstation, fitting in between the P520 and the P720, and providing the same uncompromised performance, legendary reliability, and robust usability that customers expect from Lenovo Workstations.



Workflows

The P620 provides exceptional performance on a majority of the workflows that Lenovo Workstation customers encounter daily, covering the Production Design, 3D CAD/CAM, and Imaging workflows typical for a P520 system to the rendering, visualization, simulation, and AR/VR workflows that are common for a P720.



Advantages

The P620 offers a number of natural advantages over other Lenovo Workstations. Over the P520, the P620 offers greater performance and more cores at a higher cost, but a greater value to the customer. Against the P720, the P620 has advantages in cost and size to achieve comparable performance.



Performance Enhancers

Simply put, the P620 offers the highest core count, fastest with Gen 4 speed, PCIe Gen4 speed, and up to 1TB of memory.

What's New with the ThinkStation P620

1 World's Only

The P620 is the world's only AMD Ryzen Threadripper PRO-powered workstation, offering the highest core count by a professional workstation—up to 64 cores or 4.5 GHz Max Boost in a single CPU—giving users a truly game-changing workstation that emphatically revolutionizes the capabilities of what a workstation can do.

2 Exceptional Performance

Through numerous tests and benchmarks, the P620 with an AMD Ryzen Threadripper PRO processor, flexible NVIDIA RTX graphics configuration options, and PCIe Gen4, proves time and again that it can outperform similar class workstations powered by other technologies.

3 Reliability, Security, and Manageability

In addition to the power and performance, P620 customers get Lenovo's exceptional workstation infrastructure and industry-leading reliability, not to mention comprehensive security and manageability solutions from ThinkShield and Lenovo Diagnostics.

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