

More Power
More Performance
More Productivity

Lenovo™ ThinkStation® P Series and ThinkPad® P Series



Lenovo™

ThinkStation | ThinkPad



Why Lenovo

Lenovo focuses on power, performance and reliability in every machine we design; both ThinkStation and ThinkPad. By combining the absolute top-of-the-line components with groundbreaking designs, we are able to push our systems harder and have the raw power beneath to support the most demanding ISV applications. For example, our new FLEX Performance Cooling design within the ThinkPad P Series deploys a brand new dual-fan system for cooler, quieter and faster performance. This revolutionary design allows for both optimal uptime, as dictated by the needs of the application, and fault redundancy – giving the user the ability to push the system harder and for longer periods of time.

ThinkStation Design Philosophy

Architects, product and software designers, financial traders, medical professionals and engineers – all need high performing, easy-to-use, reliable power to get them where they want to go.

Lenovo workstations can take them there.

Lenovo workstations deliver the highest levels of performance, ease of use and reliability.

The ThinkStation P Series is completely redesigned. The modular internal design makes upgrades and customization easy, as well as supports an unprecedented array of features. With support for up to 14 storage devices, FLEX (Fully Loaded Experience) features allowing for truly unique configurations, and the latest Intel® Xeon® processors and NVIDIA® Quadro® professional graphics cards, the P Series is the perfect tool to turn ideas into reality.

The Lenovo ThinkStation P Series are the best designed workstations ever. The ThinkPad P Series are mobile workstations that grant freedom from the desk while keeping productivity high. Designed for unmatched usability, superior reliability and unparalleled performance. They are certified to run mission-critical ISV applications.

Perfect for:

• Engineers • Financial Professionals • Game Designers • Healthcare and Life Sciences • Animators • Energy and Oil & Gas



Powerful Intel® Xeon® Processors

Lenovo workstations combine the latest high-performance Intel® Xeon® processors, featuring unmatched performance and multicore processing efficiency. Like all Think-branded products, our Lenovo workstation computers boast innovation and design excellence, while delivering quiet, reliable, and powerful solutions for your work environment. The Lenovo workstation's powerful Intel® Xeon® CPUs offer:

- 24/7 uninterrupted performance
- ISV certifications for maximum reliability and performance
- Intel® Dynamic Power Management, offering better performance per watt
- Intel® Turbo Boost, delivering extra power when you need it
- Advanced Intel® Virtualization Technology



Performance Graphics

Lenovo workstations deliver powerful graphics needed for professional applications—from 2D and 3D content creators, to users of CAD and EDA applications, to finance and medical professionals. Powered by NVIDIA® Quadro® and NVS graphics, each workstation is built to maximize your productivity so you can do more in less time. Professional graphics cards also offer longer life cycles and much more reliability than their consumer counterparts and come with certified and optimized drivers from leading software vendors for a truly enhanced experience.



Think Innovation

Lenovo workstations provide an innovative answer for challenges such as thermal management, higher levels of component support and an intuitive design.

All Lenovo workstations offer unique thermal designs engineered for maximum cool air delivery to key components, reducing the risk of hardware failure. Lenovo workstations are also whisper-quiet. The new intuitive and tool-less design makes performing upgrades easier than ever.



ISV Certified



Every workstation is ISV (Independent Software Vendor) tested and certified to ensure maximum compatibility and performance. Certification means that should you ever require support on the specialized applications you use every day, the ISVs will be ready to help. Only a certified workstation-class product is eligible for this level of support.

Workstation Product Comparisons



ThinkStation P300
(TWR & SFF)



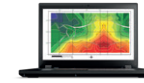
ThinkStation P500



ThinkStation P700



ThinkStation P900



ThinkPad P70



ThinkPad P50



ThinkPad W550s

Purpose	Entry CAD Entry DCC Autodesk® AutoCAD® Adobe® Photoshop® Adobe® Illustrator® Front Office: EMR/EHR	Engineering Design Automation Mid-range CAD Mid-range DCC SolidWorks® Autodesk® Inventor® Medical Imaging: Radiology/Cardiology PACS PTC® Pro/E®	Financial Trading Floors High-end CAD/CAM/CAE 3D DCC Dassault Systemes Catia® Siemens NX® Monte Carlo Analysis Black Scholes Modeling	Oil & Gas Exploration High-end CAD/CAM/CAE Autodesk® Maya® Landmark GeoProbe® Schlumberger Petrel®, Paradigm®, ANSYS®	Mobile Workstation Computing Oil & Gas Exploration High-end CAD/CAM High-end DCC Adobe® Autodesk® Dassault Systemes PTC® Siemens	Mobile Workstation Computing Mid-range CAD Mid-range DCC Autodesk® Autodesk® Dassault Systemes PTC® Siemens	Mobile Workstation Computing SolidWorks® Autodesk® AutoCAD® Autodesk® Revit®
Max Processors	1	1	2	2	1, mobile	1, mobile	1, mobile
CPU Support	Intel® Xeon® E3-1200 v3 Intel® Core™ i3, i5, i7	Intel® Xeon® E5-1600 v3 Intel® Xeon® E5-2600 v3	Intel® Xeon® E5-1600 v3 Intel® Xeon® E5-2600 v3	Intel® Xeon® E5-1600 v3 Intel® Xeon® E5-2600 v3	Intel® Xeon® E3-1500M v5 6th Gen Intel® Core™ i7	Intel® Xeon® E3-1500M v5 6th Gen Intel® Core™ i7	Intel® Core™ i5 Dual-Core
Chipset	C226	C612	C612	C612	CM236 QM170	CM236 QM170	Integrated on SoC
ECC Memory Support	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Optical Types Supported	DVD-ROM DVD-RW Blu-ray Disc™ Burner	DVD-ROM DVD-RW Blu-ray Disc™ Burner	DVD-ROM DVD-RW Blu-ray Disc™ Burner	DVD-ROM DVD-RW Blu-ray Disc™ Burner	DVD-RW	No ODD	No ODD
Maximum Storage Drives	4 (TWR)/3 (SFF)	11	12	14	4	3	1
Max Storage	TWR Max 3.5" = 4 (16TB) ¹ Max 2.5" = 4 (4TB) ¹ SFF Max 3.5" = 2 (8TB) ¹ Max 2.5" = 3 (2.4TB) ¹	Max 3.5" = 6 (24TB) ¹ Max 2.5" = 10 (10TB) ¹ Max M.2 = 1 (512GB) ¹	Max 3.5" = 6 (24TB) ¹ Max 2.5" = 10 (10TB) ¹ Max M.2 = 2 (1TB) ¹	Max 3.5" = 6 (24TB) ¹ Max 2.5" = 10 (10TB) ¹ Max M.2 = 4 (2TB) ¹	3TB (2TB HDD + 1TB PCIe/SATA SSD)	2TB (2TB HDD or 1TB HDD + 1TB PCIe/SATA SSD)	1TB
Power Supply	450W* 92% Efficient 280W 85% Efficient 240W 85% and 92% Efficient *(SFF only)	490W 90% Efficient 650W 92% Efficient	650W 92% Efficient 850W 92% Efficient	1300W 92% Efficient	170W or 230W	170W	45W or 65W
Supported Graphics Cards	Intel® Integrated HD NVIDIA® Quadro® NVS 310 NVIDIA® Quadro® NVS 315 NVIDIA® Quadro® NVS 510 NVIDIA® Quadro® K420 NVIDIA® Quadro® K620 NVIDIA® Quadro® K1200 NVIDIA® Quadro® K2200* NVIDIA® Quadro® K4200* *Tower only	NVIDIA® Quadro® NVS 310 NVIDIA® Quadro® NVS 315 NVIDIA® Quadro® NVS 510 NVIDIA® Quadro® K420 NVIDIA® Quadro® K620 NVIDIA® Quadro® K1200 NVIDIA® Quadro® K2200 NVIDIA® Quadro® M4000 NVIDIA® Quadro® M5000 NVIDIA® Quadro® M6000 NVIDIA® Tesla® K40	NVIDIA® Quadro® NVS 310 NVIDIA® Quadro® NVS 315 NVIDIA® Quadro® NVS 510 NVIDIA® Quadro® K420 NVIDIA® Quadro® K620 NVIDIA® Quadro® K1200 NVIDIA® Quadro® K2200 NVIDIA® Quadro® M4000 NVIDIA® Quadro® M5000 NVIDIA® Quadro® M6000 NVIDIA® Tesla® K40	NVIDIA® Quadro® NVS 310 NVIDIA® Quadro® NVS 315 NVIDIA® Quadro® NVS 510 NVIDIA® Quadro® K420 NVIDIA® Quadro® K620 NVIDIA® Quadro® K1200 NVIDIA® Quadro® K2200 NVIDIA® Quadro® M4000 NVIDIA® Quadro® M5000 NVIDIA® Quadro® M6000 NVIDIA® Tesla® K40	NVIDIA® Quadro® M600M NVIDIA® Quadro® M3000M NVIDIA® Quadro® M4000M NVIDIA® Quadro® M5000M	NVIDIA® Quadro® M1000M NVIDIA® Quadro® M2000M	NVIDIA® Quadro® K620M
Memory Slots	4	8	12	16	4 SODIMM	4 SODIMM	2 SODIMM

¹Any combination of storage to equal Maximum Storage Drives.

Find out how Lenovo Workstations can help you do more. Contact your authorized Lenovo reseller or visit www.lenovo.com/workstation