Lenovo Workstations
ThinkStation P Series and ThinkPad P Series

Push the limits of productivity, creativity, and innovation

Lenovo

Lenovo **ThinkStation**   Lenovo **ThinkPad**

Why Lenovo

Lenovo focuses on power, performance, and industry-leading reliability in every ThinkStation and ThinkPad we design. 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 necessary to handle the most demanding workloads. Absolutely key for a top performing workstation is the ability to keep its components cool. This is where our patented Tri-Channel cooling in our towers and FLEX Performance cooling in our notebooks comes to fruition. These revolutionary designs allow CPUs and GPUs to run at peak performance until the job is done while simultaneously keeping the components cool, which makes for a long-lasting and reliable machine.

Design Philosophy

Architects, product and software designers, financial traders, medical professionals, and engineers all need high-performing, easy-to-use, dependable power to get the job done. Lenovo Workstations are designed from the ground up with customer-driven innovation, delivering the highest levels of performance, ease of use and industry-leading reliability. With our ingenious ThinkStation modular design, making upgrades and customizations is effortless and supports a staggering number of possible configurations. The combination of our ground-breaking design with the latest Intel® Core™ and Xeon® CPUs and NVIDIA® professional GPUs delivers the absolute best possible user experience to turn ideas into reality.

Key Features
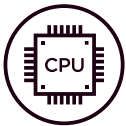
Ultimate Power & Performance
Powered by the latest Intel Core and Xeon CPUs and NVIDIA professional GPUs for maximum power and performance.
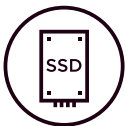
Expanded Solutions Expertise
Expanded support of emerging technologies such as AI and AR/VR, as well as software tools to optimize performance.

ThinkShield Security
Built with an advanced, comprehensive suite of ThinkShield features for the ultimate in security.
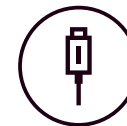
Tested & Certified
Tested and certified by independent software vendors (ISVs) to support the applications you need.

Sustainable Materials & Certifications
Manufactured and packaged responsibly to reduce carbon emissions without compromising on quality.

Enhanced Serviceability
Front panel LCD for error detection and tool-less modularity for easy upgrades and custom configurations
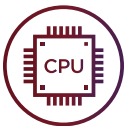
ThinkStation P360 Tiny

Engineered to go where others can't, the ThinkStation P360 Tiny combines simple and efficient design with the professional power of a workstation. The industry's smallest workstation, at less than one-liter total volume, offers uncompromising performance in a form factor that is 96% smaller than a traditional desktop. Packed with the latest Intel Core processors and NVIDIA professional graphics, this Tiny system boasts support for a wide range of accessories and up to six independent displays.

The ideal professional device to meet the demands of architecture and engineering, finance, healthcare, STEM education, and remote work, this ISV-certified workstation packs a powerful punch, all in a pint-sized package.
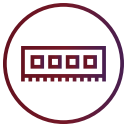
The World's Smallest Workstation
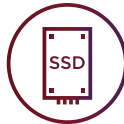

Key Features

Processor
12th Gen Intel Core

Memory
64GB DDR5 4800MHz

Graphics
Up to NVIDIA T1000

Solid State Drives
Support for Dual M.2 PCIe Gen4 NVMe SSDs

Power Supply
170W or 230W (up to 90% efficient)

Display
Support for up to 6 Independent Displays*

*Available with Discrete Graphics Only

ThinkStation P360 Ultra

Introducing the ThinkStation P360 Ultra, our brand-new workstation featuring a revolutionary form factor that is redefining the power of small.

With blazingly fast 12th Gen Intel Core processors and support for up to NVIDIA RTX™ A5500 Mobile professional graphics, this system packs an unimaginable level of power and performance in a chassis less than four liters in total volume. With up to 128GB of memory, PCIe Gen 4 for high-speed data transfer, up to 8TB of M.2 storage, and dual onboard ethernet ports, this workstation breaks new ground with an intelligently compact design that doesn't compromise on functionality.

Built for demanding workflows that require flexible configurations and maximum space-savings, this workstation is ideal for keeping up with modern workplace changes. As organizations move to hybrid or remote work, deploy additional resources to the edge, and try to minimize their environmental impact, the ThinkStation P360 Ultra is a versatile, more sustainable solution for this critical time of transformation.
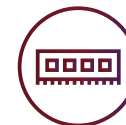
Redefining the Power of Small

Key Features
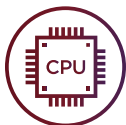
Processor
12th Gen Intel Core

Graphics
Support for up to NVIDIA RTX A5500 Mobile and RTX A2000

Memory
Up to 128GB DDR5 4000MHz ECC or non-ECC

Solid State Drive
Up to 8TB M.2 PCIe NVMe Gen 4 Performance Storage

**USB**
7 USB Ports (3 Front, 4 Back)

Display
3 DisplayPorts with Support for up to 8 Displays
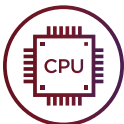
ThinkStation P358

Workstation power is now within your reach with the ThinkStation P358. Built for mission-critical tasks that require superior reliability and performance, the ThinkStation P358 leads on both counts and does it with exceptional all-around value. Perfectly configured for the work you do, this ISV-certified system features the latest AMD Ryzen™ PRO processors, NVIDIA RTX graphics, and support for power supplies up to 750W, offering premium performance at an affordable price.

The ideal workstation solution for entry-level CAD, product design, STEM educators and students alike, the versatile P358 is built to meet your individual workflow needs without breaking your budget.

Power of a Workstation, Price of a Desktop
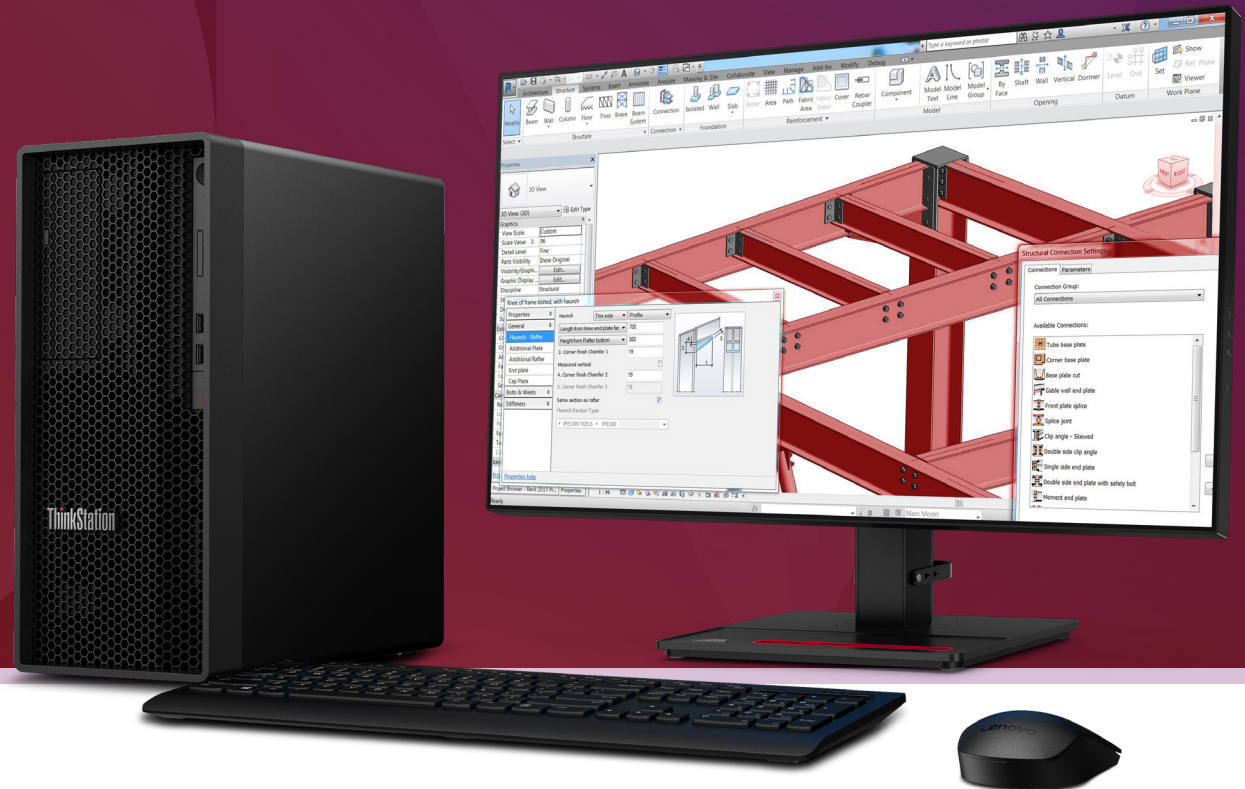
Key Features

Processor
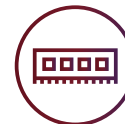AMD Ryzen™ PRO

Graphics
NVIDIA RTX A2000

Memory
Up to 128GB DDR4 3200MHz

Solid State Drive
Up to 10TB Storage including up to 2TB M.2 PCIe NVMe SSDs

USB
9 USB Ports (5 Front, 4 Back)

Power
Up to 750W Power Supply (92% Efficient)
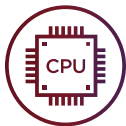
ThinkStation P360 Tower

Experience the power of a workstation at the price of a desktop with the ThinkStation P360 Tower. Built for mission-critical tasks that require superior reliability and powerful performance, the ThinkStation P360 Tower leads on both counts and does it with exceptional all-around value. Perfectly configured for the work you do, this system features 12th Gen Intel Core processors, offering x86 scalable performance hybrid architecture for platform-wide performance, data integrity and security features baked in. This powerhouse in the entry space is ISV-certified and can support up to NVIDIA RTX A5000 professional graphics.

Designed to provide value and performance, the P360 Tower offers increased memory speed and PCIe Gen4 for faster cutting-edge storage technologies. The perfect workstation solution for designers, engineers, and students looking for versatility, flexibility, and breakthrough performance, the ThinkStation P360 Tower provides the value you need without compromising on compute power.

Power of a Workstation, Price of a Desktop

Key Features

Processor
12th Gen Intel Core

Memory
Up to 128GB DDR5 4400MHz

Graphics
Support for VR-ready NVIDIA RTX A5000

Storage
M.2 PCIe Gen4 NVMe Storage with RAID Capability*
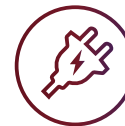
Power Supply
Up to 750W (up to 92% efficient)

Display
Up to 3 DisplayPort™ Ports on Board, up to 11 Independent Displays

* M.2 RAID 0/1 cannot be OS Disk

ThinkStation P5

Engineered for ultimate versatility, the Lenovo ThinkStation P5 is the all-around industry workhorse for professionals that demand scalable, future-proof solutions. Featuring an all-new Aston Martin inspired chassis design, the latest Intel Xeon W processors, and support for up to two NVIDIA RTX™ A6000 graphics cards, you can rely on the P5 to pack enough punch for any workflow, even in mission-critical environments.

Optimized for designers, engineers, and creatives alike, this workstation can support a broad range of compute-intensive tasks with ease. Improve your productivity with high-speed DDR5 memory and ultra-fast PCIe Gen 5 bandwidth. And with convenient front access storage and an array of high-performance configurations available, enjoy the flexibility of customizing your P5 to tackle the workload needs of today, knowing you can easily upgrade for the ever-increasing datasets of tomorrow.

The Future-proof Industry Workhorse

Key Features
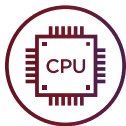
Processor
Intel Xeon W processor
(up to 24 cores, up to 4.8GHz)

Power Supply
750W or 1000W
(up to 92% efficiency)

Graphics
Up to 2 NVIDIA RTX A6000

Storage
Up to 48TB with 6 Total Drives
for Ultimate Flexibility
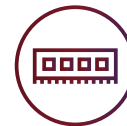
Memory
Up to 512GB DDR5 4800MHz ECC*

Accessibility
Front drive access and
tool-less accessibility

* 4800MHz max speed; available depending on configuration

ThinkStation P620

The ThinkStation P620 was the first AMD Ryzen™ Threadripper™ PRO powered workstation, delivering game-changing power and speed with the largest core count in a professional workstation: up to 64 cores and 4.5GHz. Perfect for those who demand more power for multi-threaded applications, the P620 combines Lenovo's legendary reliability, experience and customer-driven innovation with professional manageability and enterprise-class support.

Purpose built with the speed and configurability you crave, this powerhouse workstation offers PCIe Gen4 for increased storage speed and expandable memory, as well as unmatched NVIDIA graphics support, and 10GB of built-in ethernet—a new standard in connectivity.

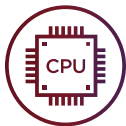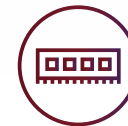## Game Changing Power, Reliability and Speed

Key Features

Processor
AMD Ryzen™ Threadripper™ PRO (up to 64 cores; up to 4.5GHz)
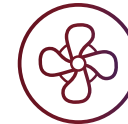
Graphics
Up to 2 NVIDIA RTX 6000 Ada

Memory
Up to 1TB DDR4 3200MHz ECC

Storage
Up to 48TB

Solid State Drive
Gen4 Support for PCIe Slots and M.2 Storage

Thermals
Air Cooled Thermals

ThinkStation P7

Staggering, Single-Socket Power

The bold Lenovo ThinkStation P7 is a force to be reckoned with and brings together a breakthrough new compute architecture with an optimized thermal design in a versatile, Aston Martin-inspired chassis.

Featuring the latest Intel Xeon W processors, the P7 delivers up to 56 cores, robust PCIe Gen 5 connectivity, and high-speed DDR5 memory—all in a single-socket platform. Combined with the power of up to three NVIDIA RTX 6000 Ada Generation, the P7 is undaunted by massive datasets and tackles compute-intensive, multithreaded tasks head-on.

Rack-optimized for enterprises that demand flexibility between desktop and data center environments, the ThinkStation P7 breaks new ground by taking on workloads that were traditionally reserved for cloud or server resources—all while maintaining non-disruptive workstation acoustics.

Key Features
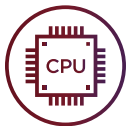
Processor
Intel Xeon W processor
(up to 56 cores, up to 4.8GHz)

Power Supply
1000W or 1400W
(up to 92% efficiency)

Graphics
Up to 3 NVIDIA RTX 6000 Ada

Storage
Up to 52TB Internal Storage with up to 7 Total Drives**
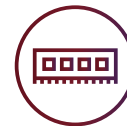
Memory
Up to 1TB DDR5 4800MHz ECC*

Ethernet
Standard 1 Gigabit and 10 Gigabit Ethernet

* 4800MHz max speed; available depending on configuration
** Depending on drive configuration

ThinkStation PX

Co-designed with Aston Martin, masters of aerodynamics, the PX is the epitome of form and function–combining a premium chassis with a fine-tuned thermal design that pushes out maximum performance from its ultra-high-end components.

Featuring the latest 4th Gen Intel Xeon Scalable dual processor architecture, up to 120 cores, and support for up to four NVIDIA RTX 6000 Ada Generation GPUs, this workstation goes beyond the limits of desktop performance to power even the most extreme workloads.

Offering flexibility for both desktop and data center environments, the ThinkStation PX is a versatile workstation that bridges the gap where previous solutions fell short. With an iconic, rack-optimized chassis and the processing power of multiple high-end GPUs, the PX was designed from the ground up to run the most complex computing tasks seamlessly.

With the option to include a dual redundant PSU, be confident in system stability when running mission-critical applications. Achieve next-level productivity with up to 2TB of DDR5 memory and ultra-fast bandwidth through PCIe Gen 5 lanes. Enable enterprise-wide digital transformation, with a workstation that facilitates virtual workflows and multi-user collaboration.

The Pinnacle of Lenovo Technology

Key Features
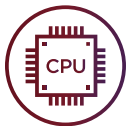
Processor
Dual 4th Gen Intel Xeon Scalable
(up to 60 cores per CPU,
up to 4.1GHz per CPU)

Power Supply
1850W (92% efficient)
Optional redundant power supplies[2]

Graphics
Up to 4x NVIDIA RTX 6000 Ada[2]

Storage
Up to 60TB Internal Storage with
up to 9 Total Drives[3]
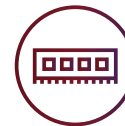
Memory
Up to 2TB DDR5 4800MHz ECC[1]

Accessibility
Front drive access and
tool-less accessibility

1 4800MHz max speed; available depending on configuration
2 Configuration dependent
3 Depending on drive configuration

ThinkPad P14s

The ThinkPad P14s, Lenovo's most mobile workstation, offers on-the-go performance at a comfortable price point, all in a thin and light 14-inch chassis. Featuring the latest AMD Ryzen™ PRO processors with integrated AMD Radeon™ graphics, the P14s is ISV certified and can support applications such as AutoCAD®, Revit® and SOLIDWORKS® without missing a beat.

Perfect for highly-mobile power users with an advanced suite of ThinkShield security features and comprehensive MIL-SPEC testing for ultimate durability, the P14s gives entry-level professionals, educators, and students alike the ability to innovate freely wherever life takes you.

Power that Moves

Key Features

Processor
AMD Ryzen™ PRO Processors

Memory
Up to 32GB 6400MHz LPDDR5

Graphics
Integrated AMD Radeon™ with optimized PRO Driver set

Solid State Drive
Up to 2TB PCIe Gen4 NVMe

Display
Multiple 14″ 16:10 Screen Options Including UHD with X-Rite Color Calibration
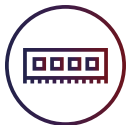
Weight
Thin & Light Starting at 3.08lbs (1.40kg) and 0.71″ (17.9mm) Thin
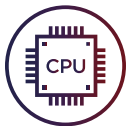
ThinkPad P14s *i*

The ThinkPad P14s *i*, Lenovo's most mobile workstation, offers on-the-go performance at a comfortable price point, all in a thin and light 14-inch chassis.
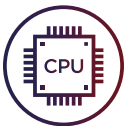
Built with the latest Intel Core processors and NVIDIA professional graphics, the P14s *i* is ISV certified, powering applications such as AutoCAD, Revit and SOLIDWORKS without missing a beat.

Perfect for highly-mobile power users with an advanced suite of ThinkShield security features and comprehensive MIL-SPEC testing for ultimate durability, the P14s i gives entry-level professionals, educators, and students alike the ability to innovate freely wherever life takes you.

Lenovo's Lightest Mobile Workstation
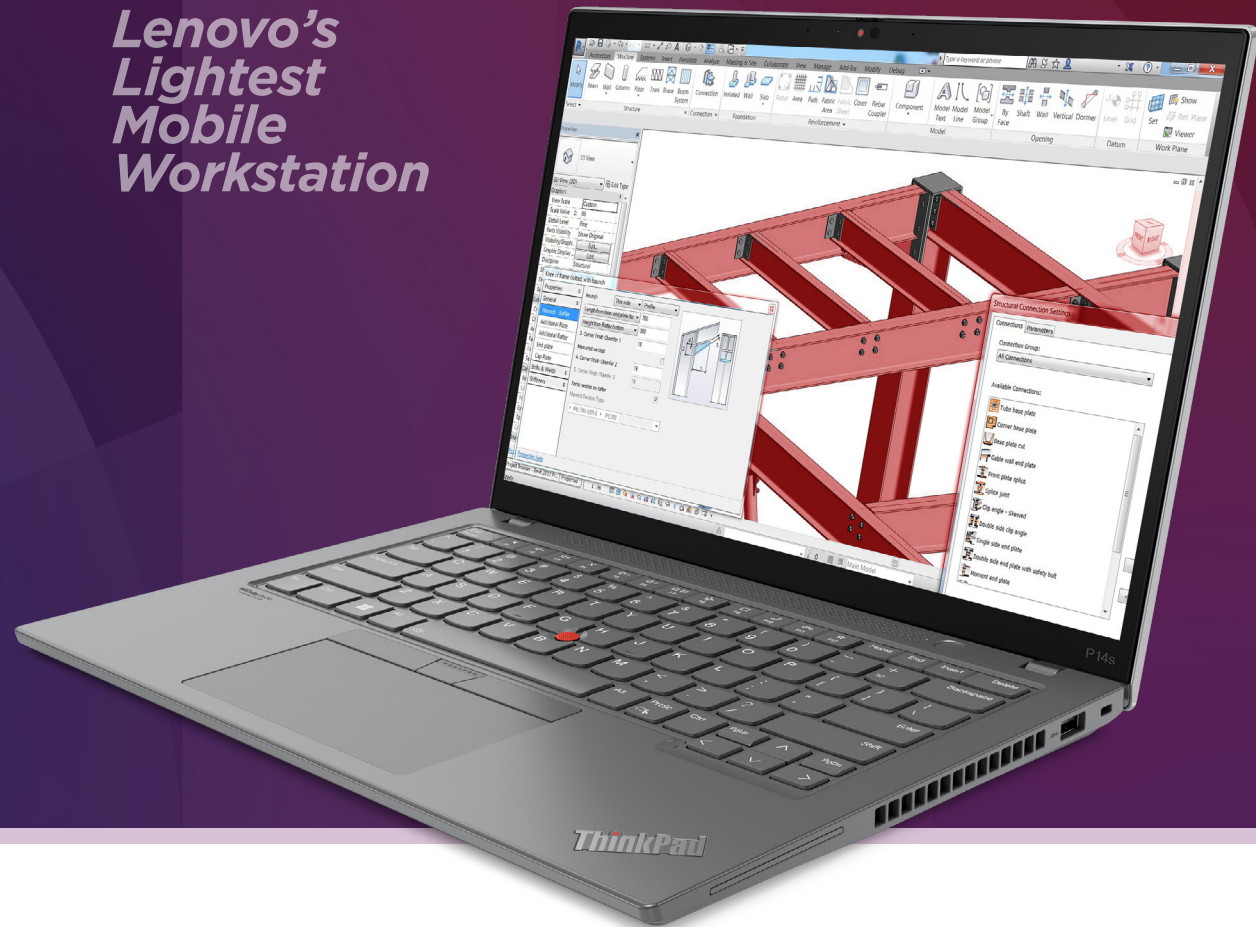
Key Features

Processor
12th Gen Intel Core

Memory
Up to 48GB 3200MHz

Graphics
NVIDIA T550, 4GB VRAM

Solid State Drive
Up to 2TB PCIe Gen4 NVMe Storage

Display
Multiple 14″ 16:10 Screen Options Including UHD with X-Rite Color Calibration
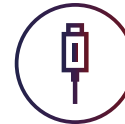
Ports
Dual Thunderbolt™ 4

ThinkPad P16s

The ThinkPad P16s provides a perfect mix of performance, sustainability, and power on-the-go at a comfortable price point, packed in a thin and light 16-inch chassis.

Built with the most powerful mobile processors from AMD and integrated AMD Radeon™ Graphics, the ISV certified P16s is designed to move with its users and keep up with them when running AutoCAD, Revit, SolidWorks, and more.

Designed with enhanced usability including a fingerprint reader, full numeric keypad, wider touchpad, and all-day battery capacity, the P16s is the ideal solution for engineers, architects, and students, whether collaborating in the office, on a job site, or when visiting customers.

Workstation Power on the Go

Key Features
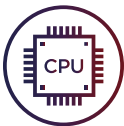
Processor
AMD Ryzen™ PRO

Graphics
Integrated AMD Radeon™ with optimized PRO Driver set

Storage
Up to 2TB PCIe Gen 4 NVMe

Display
Multiple 16″ 16:10 Screen Options Including QHD+ with X-Rite Color Calibration
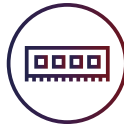
Memory
Up to 32GB 6400MHz LPDDR5

Keyboard
Numeric Keypad

ThinkPad P16s *i*

The ThinkPad P16s *i* provides a perfect mix of performance, sustainability, and power on-the-go at a comfortable price point, packed in a thin and light 16-inch chassis.

Built with the latest Intel Core processors and NVIDIA professional graphics, the ISV certified P16s *i* is designed to move with its users and keep up with them when running AutoCAD, Revit, SolidWorks, and more.

Designed with enhanced usability including a fingerprint reader, full numeric keypad, wider touchpad, and all-day battery capacity, the P16s *i* is the ideal solution for engineers, architects, and students, whether collaborating in the office, on a job site, or when visiting customers.

Performance at the Speed of Life

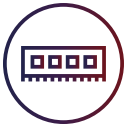## Key Features

Processor
12th Gen Intel Core

Graphics
NVIDIA T550, 4GB VRAM

Solid State Drive
Up to 2TB PCIe Gen4 NVMe Storage

Display
Multiple 16″ 16:10 Screen Options Including QHD+ with X-Rite Color Calibration
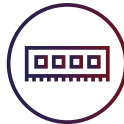
Memory
Up to 48GB DDR4 3200MHz Memory

Keyboard
Numeric Keypad

ThinkPad T15p

Designed for power users whose technology needs aren't confined to their desks, the ThinkPad T15p closes the gap in price and performance between entry-level and high-end workstations. Featuring the latest Intel Core H-Series processors and NVIDIA GeForce graphics, as well as robust usability with an optional UHD display and Ultra Performance Mode, users can complete heavy-duty rendering tasks faster than ever before.

Built for ultimate productivity, the T15p is equipped with features like one-touch log in using the touch finger print reader, one-touch calling on new UC keys, as well as a comprehensive suite of ThinkShield security features—giving you peace of mind to innovate freely wherever life takes you.

Mainstream Performance

Key Features

Processor
12th Gen Intel Core H-Series

Storage
Up to 4TB M.2 PCIe Gen4 NVMe Performance SSD
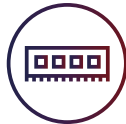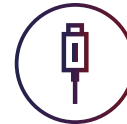
Graphics
NVIDIA GeForce RTX 3050

Memory
Up to 64GB DDR5 4800MHz

Display
Up to UHD Display with HDR400, Dolby Vision™ HDR, and X-Rite Color Calibration

Ports
Intel Thunderbolt 4

ThinkPad P15v

Mainstream Performance

Built for creators who demand more value, the ThinkPad P15v takes everything in stride, closing the gap in price and performance between entry-level and high-end workstations. Packed with the most powerful mobile processors from AMD, professional graphics from NVIDIA, and a 15.6-inch UHD display, the P15v delivers a fast and visually stunning representation of your work. And with Ultra Performance Mode, a user-controlled performance boost that gives you the highest level of power and performance, you can tap into the full potential of your P15v.

The P15v is ISV certified, ensuring any power user has the confidence to handle large workloads and multitask with ease. Built with robust ThinkShield Security features and MIL-SPEC tested for ultimate reliability, this rugged secure system is ideal for Higher Education, Software Developers, and beyond.

Key Features

Processor
AMD Ryzen™ PRO

Memory
Up to 64GB DDR5 4800MHz

Graphics
Up to NVIDIA RTX A2000

Solid State Drive
Up to 4TB M.2 PCIe Gen4 NVMe Performance SSD

Display
Up to UHD Display with HDR400, Dolby Vision HDR, and X-Rite Color Calibration
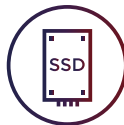
Advanced Configuration
User Controlled Ultra Performance Mode

ThinkPad P15v *i*

Built for creators who demand more value, the ThinkPad P15v *i* takes everything in stride, closing the gap in price and performance between entry-level and high-end workstations. Packed with the latest Intel Core H-Series processors,

NVIDIA professional graphics, and an optional UHD display, the P15v delivers a fast and visually stunning representation of your work. And with Ultra Performance Mode, a user-controlled performance boost that gives you the highest level of power and performance, you can tap into the full potential of your P15v *i*.

The P15v *i* is ISV certified, ensuring any power user has the confidence to handle large workloads and multitask with ease. Built with robust ThinkShield Security features and MIL-SPEC tested for ultimate reliability, this rugged secure system is ideal for Higher Education, Software Developers, and beyond.

Accessible Power

Key Features
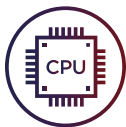
Processor
12ᵗʰ Gen Intel Core H-Series

Memory
Up to 64GB DDR5 4800MHz

Graphics
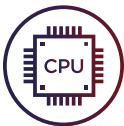Up to NVIDIA RTX A2000

Solid State Drive
Up to 4TB M.2 PCIe Gen4 NVMe Performance SSD Storage

Display
Up to UHD Display with HDR400, Dolby Vision HDR, and X-Rite Color Calibration
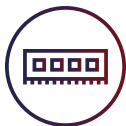
Ports
Intel Thunderbolt 4

ThinkPad P1

Powerful, mobile, and visually stunning. The ThinkPad P1 is the perfect combination of form and function designed to be admired. This sleek design hints at what's inside: a powerful system that offers a choice of the latest Intel Core H-Series processors, graphics support up to NVIDIA RTX A5500 GPUs, and PCIe Gen4 NVMe Performance SSDs for faster, advanced storage technologies. Now with a liquid metal thermal design, the P1 provides improved cooling performance and long-term reliability.

Boasting a 16-inch panel, narrow bezel and a 16:10 aspect ratio for increased screen real estate, the P1 is a content creator's dream. Designed with the modern user in mind, the P1 offers low blue light displays, Dolby Vision and color calibration for crisp, clear images, plus ultimate 5G connectivity, creating the perfect combination of power, ultra-premium design, and true mobility.

Premium Power,
True Mobility

Key Features

Processor
12th Gen Intel Core H-Series
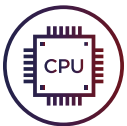
Chasis
Thin & Light Carbon Fiber Weave or Black Chassis Options

Graphics
Up to NVIDIA RTX A5500 or NVIDIA GeForce RTX 3080 Ti

Solid State Drive
Up to 8TB M.2 PCIe Gen4 NVMe Performance SSD Storage

Display
16" 16:10 Display with Low Blue Light and X-Rite Factory Calibration

Audio
Top-firing Dolby Atmos® Speaker System

ThinkPad P16

Introducing the ThinkPad P16, a power-packed mobile workstation built for the ultimate professional user. Designed for those who demand the highest level of power and performance while on-the-go, the ThinkPad P16 features a new class of Intel Core HX class processors and unmatched NVIDIA RTX A5500 graphics support.

The P16 powerhouse is built to handle the fastest PCIe Gen4 storage technologies, greater memory capacity, a 16-inch 16:10 aspect ratio display and full connectivity—while being certified to run demanding ISV applications without missing a beat.

Allowing users to do more and go farther with no sacrifice, the ThinkPad P16 has the best of everything all in a 16-inch standout, modernized design that you've never seen before.

Big Power, Big Performance

Key Features
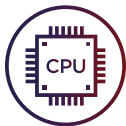
Processor
12th Gen Intel Core HX-Series

Solid State Drive
Up to 8TB M.2 PCIe Gen4 NVMe Performance SSD Storage

Graphics
Up to NVIDIA RTX A5500
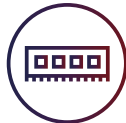
Memory
Up to 128GB DDR5 4800MHz ECC or non-ECC*

Display
16" 16:10 Display options including OLED Touch True Black

Camera
FHD Camera with ThinkPad Webcam Privacy Shutter

* Native 4800MHz, Actual 4000MHz

Lenovo Desktop Workstations

	ThinkStation P360 Tiny	**ThinkStation P360 Ultra**	**ThinkStation P358**	**ThinkStation P360 Tower**
	1 Liter	3.9 Liter	17 Liter	17 Liter
	The World's Smallest Workstation	**Redefining the Power of Small**	**Power of a Workstation, Price of a Desktop**	**Power of a Workstation Price of a Desktop**
Processor	**Up to 12th Gen Intel Core i9** › up to 16 cores › up to 5.2GHz	**12th Gen Intel Core i3, i5, i7, i9** › up to 16 cores › up to 5.2GHz	**AMD Ryzen™ 3 PRO, Ryzen™ 5 PRO, Ryzen™ 7 PRO, Ryzen™ 9 PRO** › Up to 12 cores › Up to 4.7GHz	**Up to 12th Gen Intel Core i9** › up to 16 cores › up to 5.2GHz
Graphics	Integrated: **Intel UHD** Discrete: **NVIDIA T400, T600, T1000**	Integrated: **Intel UHD** Discrete: **NVIDIA T400, T1000** **NVIDIA RTX A2000, A5500M**	Discrete: **NVIDIA RTX A2000** **NVIDIA T1000**	Integrated: **Intel UHD** Discrete: **NVIDIA T400, T600, T1000** **NVIDIA RTX A2000, A4000, A4500, A5000**
Memory Support	Up to **64GB DDR5 4800MHz** › 2 DIMM Slots (SoDIMM) › 8GB / 16GB / 32GB	Up to **128GB DDR5 4000MHz^** › 4 DIMM Slots (SoDIMM) › 8GB / 16GB / 32GB non-ECC 16GB / 32GB ECC^	Up to **128GB DDR4 3200MHz** › 4 DIMM Slots (UDIMM) › 8GB / 16GB / 32GB3 non-ECC or ECC	Up to **128GB DDR5 4400MHz** › 4 DIMM Slots (UDIMM) › 8GB / 16GB / 32GB non-ECC 16GB / 32GB ECC
Max Drives	**2 Drives**	**3 Drives**	**3 Drives**	**7 Drives**
Max Storage[1]	**Max M.2 = 2** (4TB)	**Max M.2 = 2** (8TB) **Max 2.5" = 1** (1TB)	**Max M.2 = 1** (2TB) **Max 3.5" = 2** (8TB)	**Max M.2 = 3** (6TB), (10TB)[2] **Max 3.5" = 4** (12TB) **Max 2.5" = 4** (4TB)
Power Supply	**170W** (90% Efficient) **230W** (90% Efficient)	**170W** (89% efficient) **230W** (89% efficient) **300W** (89% efficient)	**300W** (90% efficient) **500W** (92% efficient) **750W** (92% efficient)	**500W** (92% efficient) **750W** (92% efficient)
Dimensions (WxDxH)	**37 x 183 x 179mm** **1.5 x 7.2 x 7"**	**87 x 223 x 202mm** **3.4 x 8.7 x 7.9"**	**170 x 315 x 376mm** **6.7 x 12.4 x 14.8"**	**170 x 315 x 376mm** **6.7 x 12.4 x 14.8"**

1 Any combination of storage to equal Maximum Storage Drives

2 Additional M.2 or Add-in-Card PCIe SSD drives can be installed via rear PCIe adapters

Lenovo Desktop Workstations

	ThinkStation **P620**	ThinkStation **P5**	ThinkStation **P7**		ThinkStation **PX**	
	33 Liter	33 Liter	39 Liter		54 Liter	
	Game Changing Power, and Speed	**The Future-proof Industry Workhorse**	**Staggering, Single-Socket Power**		**The Pinnacle of Lenovo Technology**	
Processor	AMD Ryzen™ Threadripper™ PRO › up to 64 cores › up to 4.5GHz	Intel Xeon W-2400 processor › up to 24 cores › up to 4.8GHz	Intel Xeon W-3400 processor › up to 56 cores › up to 4.8GHz		Dual 4th Gen Intel Xeon Scalable processors › up to 120 cores › up to 4.1GHz	
Graphics	Discrete: **NVIDIA RTX 4000, 5000, 6000, 8000, A2000, A4000, A4500, A5000, A6000, 6000 Ada** NVIDIA P1000, T400, T600, T1000	Discrete: **NVIDIA RTX A2000, A4500, A5500, A6000** NVIDIA T400, T1000	Discrete: **NVIDIA RTX A2000, A4500, A5500, A6000, 6000 Ada** NVIDIA T400, T1000		Discrete: **NVIDIA RTX A2000, A4500, A5500, A6000, 6000 Ada** NVIDIA T400, T1000	
Memory Support	Up to **1TB 3200MHz ECC** › 8 DIMM Slots (RDIMM) › 16GB / 32GB / 64GB / 128GB	Up to **512GB DDR5, 4800MHz^2 ECC** › 8 DIMM Slots (RDIMM) › 16GB / 32GB / 64GB	Up to **1TB DDR5, 4800MHz^2 ECC** › 8 DIMM Slots (RDIMM) › 16GB / 32GB / 64GB / 128GB		Up to **2TB DDR5 4800MHz^2 ECC** › 16 DIMM Slots (RDIMM) › 16GB / 32GB / 64GB / 128G	
Max Storage	6 Drives	6 Drives	6 Drives	7 Drives	7 Drives	9 Drives
Max Drives^1	**Max M.2 = 2** (8TB) **Max 3.5" = 4** (40TB)	**Max M.2 = 3** (12TB) **Max 3.5" = 3** (36TB)	**Max M.2 = 5** (20TB) **Max 3.5" = 1** (12TB)	4 (16TB) 3 (36TB)	**Max M.2 = 3** (12TB) **Max 3.5" = 4** (48TB)	7 (28TB) 2 (24TB)
Power Supply	**1000W** (92% Efficient)	**750W** (92% Efficient) **1000W** (92% Efficient)	**1000W** (92% Efficient) **1400W** (92% Efficient)		**1850W** (92% Efficient) Optional redundant power supplies^3	
Dimensions (WxDxH)	**165 x 460 x 440mm** **6.5 x 18.1 x 17.3"**	**165 x 453 x 440mm** **6.5 x 17.8 x 17.3"**	**175 x 508 x 435mm** **6.9 x 20 x 17.1"**		**200 x 575 x 435mm** **8.7 x 22.6 x 17.1"**	

1 Depending on drive configuration

2 4800MHz max speed; available depending on configuration

3 Configuration dependent

Lenovo Mobile Workstations

	ThinkPad **P14s**	ThinkPad **P14s** *i*	ThinkPad **P16s**	ThinkPad **P16s** *i*	ThinkPad **T15p**
	Power that Moves	**Lenovo's Lightest Mobile Workstation**	**Workstation Power on the go**	**Performance at the Speed of Life**	**Mainstream Performance**
Processor	AMD Ryzen™ 5 PRO, Ryzen™ 7 PRO › up to 8 cores › up to 4.7GHz	12th Gen Intel Core i5, i7 › up to 14 cores › up to 4.8GHz	AMD Ryzen™ 5 PRO, Ryzen™ 7 PRO › up to 8 cores › up to 4.7GHz	12th Gen Intel Core i5, i7 › up to 14 cores › up to 4.8GHz	12th Gen Intel Core i7 H-Series › up to 14 cores › up to 4.8GHz
Graphics	Processor Integrated: **AMD Radeon™ Graphics +** optimized PRO Driver set	Processor Integrated: **Intel Iris Xe[1]** Discrete: **NVIDIA T550**	Processor Integrated: **AMD Radeon™ Graphics +** optimized PRO Driver set	Processor Integrated: **Intel Iris Xe[1]** Discrete: **NVIDIA T550**	Discrete: **NVIDIA GeForce RTX 3050**
Memory Support	Up to **32GB LPDDR5 6400MHz** › 2 Soldered Down › 8GB / 16GB (SDRAM)	Up to **48GB DDR4 3200MHz** › 1 Soldered Down / 1 SoDIMM Slot › 8GB / 16GB (SDRAM/SoDIMM), 32GB (SoDIMM only)	Up to **32GB LPDDR5 6400MHz** › 2 Soldered Down › 8GB / 16GB (SDRAM/SoDIMM)	Up to **48GB DDR4 3200MHz** › 1 Soldered Down / 1 SoDIMM Slot › 8GB / 16GB (SDRAM/SoDIMM), 32GB (SoDIMM only)	Up to **64GB DDR5 4800MHz** › 2 SoDIMM Slots › 8GB / 16GB / 32GB
Max Storage	Up to **2TB NVMe PCIe Gen4 SSD**	Up to **2TB PCIe Gen4 NVMe SSD**	Up to **2TB PCIe Gen4 NVMe SSD**	Up to **2TB PCIe Gen4 NVMe SSD**	Up to **4TB PCIe Gen4 NVMe Performance SSD**
Power Supply	**65W AC Adapter Type-C** › Rapid Charge	**65W or 100W AC Adapter Type-C** › Rapid Charge	**65W, 100W AC Adaptor Type-C** › Rapid Charge	**65W, 100W, 135W AC Adapter Type-C** › Rapid Charge	**135W Slim** › Rapid Charge
Battery	**39.3WHr** or **52.5WHr**	**39.3WHr** or **52.5WHr**	**52.5WHr** or **86WHr**	**52.5WHr** or **86WHr**	**68WHr**
Weight Thinness	Starting at: **3.08lbs** (1.40kg) **0.7"** (17.9mm)	Starting at: **3.05lbs** (1.38kg) **0.7"** (17.9mm)	Starting at: **3.99bs** (1.81kg) **0.8"** (20.5mm)	Starting at: **3.97lbs** (1.80kg) **0.8"** (20.5mm)	Starting at: **4.91lbs** (2.23kg) **0.8-0.9"** (21.17-24.2mm)
Display	**14" Display** **WQUXGA (3840 x 2400) IPS AOFT** › Touch, 500nit, HDR 400, Dolby Vision, 100% DCI-P3, X-Rite FCC, LBL, TÜV **WUXGA (1920 x 1200) IPS** › Touch, 300nit, LCLW, 45% CG › 300nit, 45% CG › 400nit, Low Power, 100% sRGB	**14" Display** **WQUXGA (3840 x 2400) IPS AOFT** › Touch, 500nit, HDR 400, Dolby Vision, 100% DCI-P3, X-Rite FCC, LBL, TÜV **2.2K (2240 x 1400) IPS** › 300nit, 100% sRGB, LBL, TÜV **WUXGA (1920 x 1200) IPS** › Touch, 500nit, Privacy Guard, 100% sRGB › Touch, 300nit, LCLW, 45% CG › 400nit, Low Power, 100% sRGB › 300nit, 45% CG	**16" Display** **WQXGA (2560x1600) IPS** › 400nit, Dolby Vision, 100% sRGB, X-Rite FCC, AG, LBL, TÜV **WUXGA (1920 x 1200) IPS** › Touch, 500nit, LCLW, Privacy Guard, 100% sRGB, AG, TÜV › 400nit, Low Power, AG, LBL, TÜV › Touch, 300nit, Narrow, LCLW, 45%CG, AG › 300nit, Narrow, 45%CG, AG	**16" Display** **WQXGA (2560x1600) IPS** › 400nit, AG, Dolby Vision, 100% sRGB, X-Rite FCC, LBL, TÜV **WUXGA (1920 x 1200) IPS** › Touch 500nit, AG, LCLW, Privacy Guard, 100% sRGB, TÜV › 400nit, AG, Low Power, LBL, TÜV › Touch, 300nit, AG, Narrow, LCLW, 5%CG › 300nit, AG, Narrow, 45%CG	**15.6" Display** **UHD (3840 x 2160)** - IPS, 600nit, AG, 100% Adobe, HDR400, Dolby Vision HDR, X-Rite FCC **FHD (1920 x 1080)** - IPS, Touch, 300nit, AG, 45% sRGB - IPS, 300nit, AG, 100% sRGB - IPS, 300nit, AG, 45% NTSC

Lenovo Mobile Workstations

	ThinkPad **P15v**	ThinkPad **P15v** *i*	ThinkPad **P1**	ThinkPad **P16**
	Built for Creators Who Demand More Value	**Accessible Power**	**Premium Power, True Mobility**	**Performance Unpacked**
Processor	**AMD Ryzen™ 5 PRO, Ryzen™ 7 PRO** › up to 8 cores › up to 4.7GHz	**12th Gen Intel Core i5, i7, i9 H-Series** › up to 14 cores › up to 5.0GHz	**12th Gen Intel Core i7, i9 H-Series** › up to 14 cores › up to 5.0GHz	**12th Gen Intel Core i5, i7, i9 HX-Series** › up to 16 cores › up to 5.0GHz
Graphics	Discrete: **NVIDIA T600, T1200, RTX A2000**	Processor Integrated: **Intel Iris Xe[1]** Discrete: **NVIDIA T600, T1200, RTX A2000**	Processor Integrated: **Intel Iris Xe[1]** Discrete: **NNVIDIA RTX A1000, A2000, A3000, A4500, A5500** **NVIDIA GeForce RTX 3070 Ti, 3080 Ti**	Processor Integrated: **Intel UHD** Discrete: **NVIDIA RTX A1000, A2000, A3000, A4500, A5500**
Memory Support	Up to **64GB DDR5 4800MHz** › 2 SoDIMM Slots › 8GB / 16GB / 32GB	Up to **64GB DDR5 4800MHz** › 2 SoDIMM Slots › 8GB / 16GB / 32GB	Up to **64GB DDR5 4800MHz** › 2 SoDIMM Slots › 8GB / 16GB / 32GB	Up to **128GB DDR5 4800MHz[2]** › 4 SoDIMM Slots › 8GB non-ECC, 16GB / 32GB ECC & non-ECC
Max Storage	Up to **4TB PCIe Gen4 NVMe Performance SSD**	Up to **4TB PCIe Gen4 NVMe Performance SSD**	Up to **8TB M.2 PCIe Gen4 NVMe Performance SSD**	Up to **8TB M.2 PCIe Gen4 NVMe Performance SSD**
Power Supply	**135W Slim** › Rapid Charge	**135W Slim** › Rapid Charge	**135W Slim, 170W Slim, 230W Slim** › Rapid Charge	**170W Slim, 230W Slim** › Rapid Charge
Battery	**68WHr**	**68WHr**	**90WHr**	**94WHr**
Weight Thinness	Starting at: **4.98lbs** (2.26kg) **0.83-0.95"** (21-24mm)	Starting at: **4.62lbs** (2.10kg) **0.83-0.95"** (21-24mm)	Starting at: **3.99lbs** (1.81kg) **0.7"** (18mm)	Starting at: **6.5lbs** (2.95kg) **1.2"** (30.23mm)
Display	**15.6" Display** **UHD (3840 x 2160)** › IPS, 600nit, 100% Adobe®, HDR400, Dolby Vision HDR, X-Rite FCC, AG **FHD (1920 x 1080)** › IPS, 300nit, AG, 100% sRGB › IPS, 300nit, AG, 45% NTSC	**15.6" Display** **UHD (3840 x 2160)** - IPS, 600nit, AG, 100% Adobe, HDR400, Dolby Vision HDR, X-Rite FCC **FHD (1920 x 1080)** - IPS, Touch, 300nit, AG, 45% sRGB - IPS, 300nit, AG, 100% sRGB - IPS, 300nit, AG, 45% NTSC	**16" Display** **WQUXGA (UHD+) (3840x2400)** - IPS Touch, 600nit, AR-AS, 100% Adobe, LBL, HDR400, Dolby Vision HDR, X-Rite FCC - IPS, 600nit, AG, 100% Adobe, LBL, HDR400, Dolby Vision HDR, X-Rite FCC **WQXGA (QHD+) (2560x1600)** - IPS, 400nit, AG, 100% sRGB, LBL, 165Hz, X-Rite FCC **WUXGA (FHD+) (1920x1200)** - IPS, 300nit, AG, 100% sRGB, LBL, X-Rite FCC	**16" Display** **WQUXGA (UHD+) (3840x2400)** - OLED Touch, 400nit, AR-AS, 100% DCI-P3, LBL, HDR500 True Black, Dolby Vision HDR, X-Rite FCC - IPS, 600nit, AG, 100% Adobe, LBL, HDR400, Dolby Vision HDR, X-Rite FCC **WQXGA (QHD+) (2560 x 1600)** - IPS, 400nit, AG, 100% sRGB, LBL, X-Rite FCC **WUXGA (FHD+) (1920 x 1200)** - IPS, 300nit, AG, 100% sRGB, LBL, X-Rite FCC

Lenovo Workstations
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