Lenovo Workstations
Powered by AMD

Push the limits of productivity, creativity, and innovation

Lenovo

ThinkPad

AMD RYZEN PRO

ThinkStation

AMD THREADRIPPER PRO

Why Lenovo and AMD

Lenovo is the #1 PC manufacturer globally, and we have partnered with AMD, a company that has driven innovation in high-performance computing for over 50 years, to further serve the needs of professional power users at the enterprise level.

Lenovo boasts the broadest line-up of AMD-powered workstations available today. Our growing AMD portfolio ranges from lightweight mobiles and an entry-level desktop to a high-core count single-socket system. With a total of five products in our AMD roster, more than any other workstation provider, Lenovo leads in variety and offers solutions to meet the individual workflow needs of professionals across industries.

The Broadest Line-up of AMD Powered Workstations

ThinkStation
P620

Game Changing Power, Reliability and Speed

ThinkStation
P358

Power of a Workstation, Price of a Desktop

ThinkPad
P16s

Workstation Power on the Go

ThinkPad
P15v

Built for Creators who Demand More Value

ThinkPad
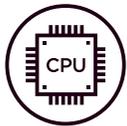## P14s

Power that Moves

Product Highlights

Industry-Leading Core Count
With up to 64 cores, the ThinkStation P620 offers the most cores you can get in a single-CPU workstation.

Ultimate Price for Performance
Lenovo's growing AMD portfolio has an option for every budget level, providing the power you need at a comfortable price point.

On-the-Go Reliability
Lenovo is the only worldwide provider of AMD-powered mobile workstations, which can offer integrated graphics and uncompromising battery life.

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.

ThinkShield Security
Built with an advanced, comprehensive suite of ThinkShield features for the ultimate in security.
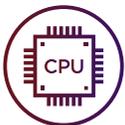
ThinkStation P358

Power of a Workstation, Price of a Desktop

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.

Key Features

Processor
AMD Ryzen™ PRO Processors

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)
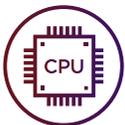
ThinkStation P620

Game Changing Power, Reliability and Speed

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.

Key Features

Processor
AMD Ryzen™ Threadripper™ PRO (up to 64 cores; up to 4.5GHz)

Graphics
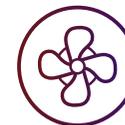Up to 2 NVIDIA RTX A6000

Memory
Up to 1TB DDR4 3200MHz ECC

Storage
Up to 48TB of Storage

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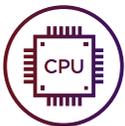
Thermals
Air Cooled Thermals

ThinkPad P14s

Power that Moves

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.

Key Features

Processor
AMD Ryzen™ PRO Processors

Graphics
Integrated AMD Radeon™ Graphics with optimized PRO Driver set

Display
Multiple 14" 16:10 Screen Options Including UHD with X-Rite Color Calibration

Memory
Up to 32GB 6400MHz LPDDR5

Solid State Drive
Up to 2TB PCIe Gen4 NVMe

Weight
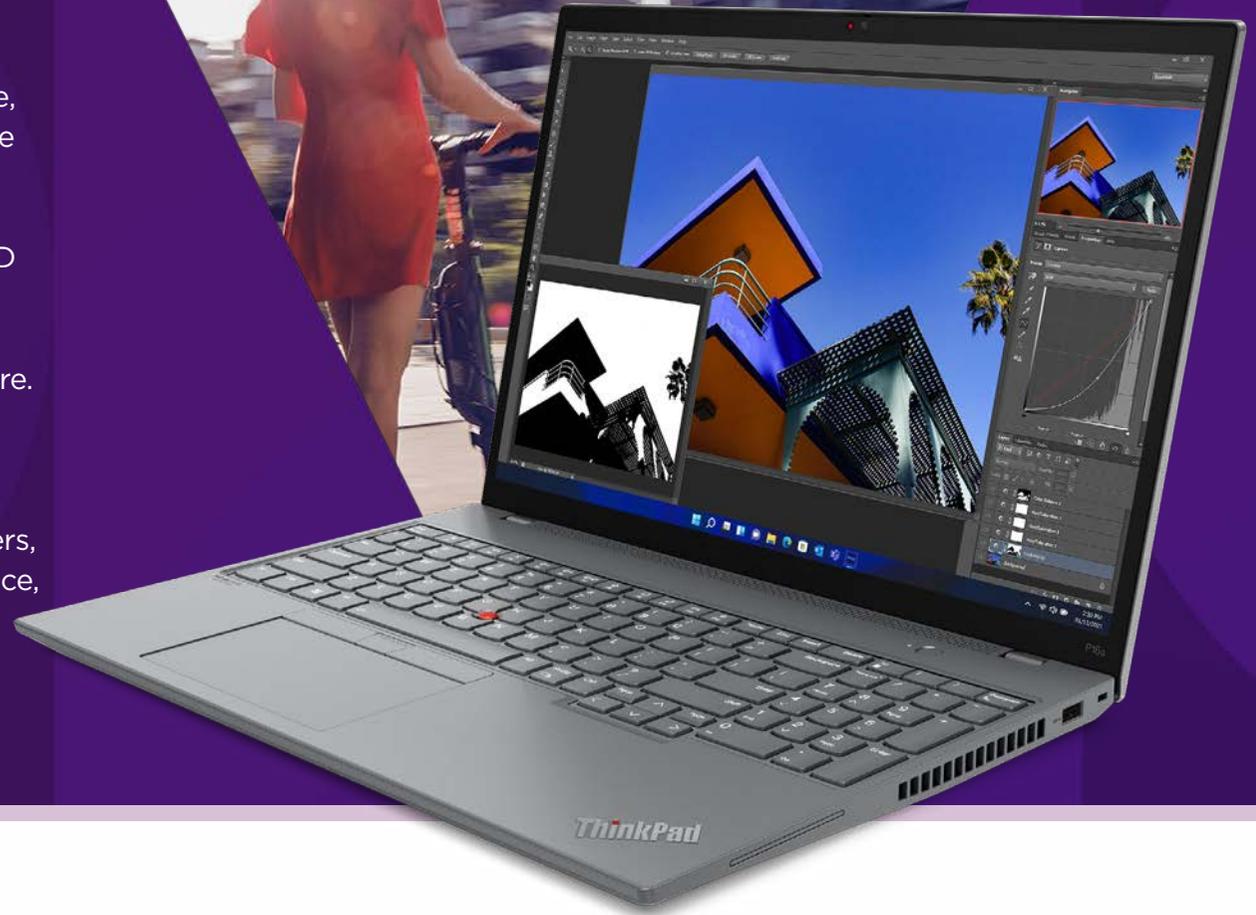Thin & Light Starting at 3.08lbs (1.40kg) and 0.71" (17.9mm) Thin
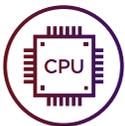
ThinkPad P16s

Workstation Power on the Go

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.

Key Features

Processor
AMD Ryzen™ PRO Processors

Graphics
Integrated AMD Radeon™ Graphics 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
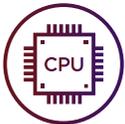
Keyboard
Numeric Keypad

ThinkPad P15v

Bringing Mainstream to the Masses

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 Processors

Graphics
Up to NVIDIA RTX A2000

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

Memory
Up to 64GB DDR5 4800MHz

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

Advanced Configuration
User Controlled Ultra Performance Mode

Lenovo's AMD Powered Desktop Workstations

The Lenovo line-up of AMD powered workstations offers a variety of options to meet different workflow needs.

The ThinkStation P358 is an entry-level system among our AMD offerings, delivering workstation power and performance at a price that won't break your budget. It's an excellent solution for educators, students, product designers, and more.

The ThinkStation P620 is Lenovo's flagship AMD product, offering game-changing performance with up to 64 cores of raw workstation power. The pinnacle single-socket system, the P620 is perfect for running multi-threaded applications with speed and ease.

AMD
THREADRIPPER
PRO

AMD

ThinkStation P358
17 Liter

ThinkStation P620
33 Liter

Power of a Workstation, Price of a Desktop

Game Changing Power, Reliability, and Speed

	ThinkStation P358	ThinkStation P620
Processor	**AMD Ryzen™ 3 PRO, Ryzen™ 5 PRO, Ryzen™ 7 PRO, Ryzen™ 9 PRO** › Up to 12 cores › Up to 4.7GHz	**AMD Ryzen™ Threadripper™ PRO** › Up to 64 cores › Up to 4.5GHz
Graphics	NVIDIA RTX A2000 NVIDIA T1000	**NVIDIA RTX 4000, 5000, 6000, 8000, A2000, A4000, A4500, A5000, A6000** NVIDIA P1000, T400, T600, T1000 NVIDIA GV100
Memory Support	Up to **128GB DDR4 3200MHz** › 4 DIMM Slots (UDIMM) › 8GB / 16GB / 32GB3 non-ECC or ECC	Up to **1TB 3200MHz ECC** › 8 DIMM Slots (RDIMM) › 16GB / 32GB / 64GB / 128GB
Max Storage[1]	**Max M.2 = 1** (2TB) **Max 3.5" = 2** (8TB)	**Max M.2 = 2** (8TB) **Max 3.5" = 4** (40TB)
Power Supply	**300W** (90% efficient) **500W** (92% efficient) **750W** (92% efficient)	**1000W** (92% Efficient)
Max Drives	**3 Drives**	**6 Drives**
Dimensions (WxDxH)	**170 x 315.4 x 376mm** **6.7 x 12.4 x 14.8"**	**165 x 460 x 440mm** **6.5 x 18.1 x 17.3"**

1 Any combination of storage to equal Maximum Storage Drives

Lenovo's AMD Powered Mobile Workstations

Lenovo's portfolio of AMD-powered mobile workstations now features AMD Ryzen™ PRO 6000 Series processors. Based on the new "Zen 3+" core architecture from AMD, and built on the new 6nm process technology, the AMD Ryzen™ PRO 6000 Series delivers leadership performance and uncompromising battery life for on-the-go power users.

Combined with thin and light Lenovo chassis designs and a suite of end-to-end ThinkShield security features, users can feel at ease knowing they can take their work with them while keeping their sensitive data safe.

	ThinkPad **P14s**	ThinkPad **P16s**	ThinkPad **P15v**
	Power that Moves	**Workstation Power on the Go**	**Built for Creators Who Demand More Value**
Processor	AMD Ryzen™ 5 PRO, Ryzen™ 7 PRO › up to 8 cores › up to 4.7GHz	AMD Ryzen™ 5 PRO, Ryzen™ 7 PRO › Up to 8 cores › Up to 4.7GHz	AMD Ryzen™ 5 PRO, Ryzen™ 7 PRO › up to 8 cores › up to 4.7GHz
Graphics	Processor Integrated: **AMD Radeon™ Graphics +** optimized PRO Driver set	Processor Integrated: **AMD Radeon™ Graphics +** optimized PRO Driver set	Discrete: **NVIDIA T600, T1200, RTX A2000**
Memory Support	Up to **32GB LPDDR5 6400MHz** › 2 Soldered Down › 8GB / 16GB (SDRAM)	Up to **32GB LPDDR5 6400MHz** › 2 Soldered Down › 8GB / 16GB (SDRAM/SoDIMM)	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 **4TB PCIe Gen4 NVMe Performance SSD**
Power Supply	**65W AC Adapter Type-C** › Rapid Charge	**65W, 100W AC Adaptor Type-C** › Rapid Charge	**135W Slim** › Rapid Charge
Battery	**39.3WHr** or **52.5WHr**	**52.5WHr** or **86WHr**	**68WHr**
Weight Thinness	Starting at: **3.08lbs** (1.40kg) **0.7″** (17.9mm)	Starting at: **3.99lbs** (1.81kg) **0.8″** (20.5mm)	Starting at: **4.98lbs** (2.26kg) **0.83-0.95″** (21-24mm)
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	**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	**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

Lenovo Workstations
Powered by AMD

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ThinkPad AMD RYZEN PRO ThinkStation AMD THREADRIPPER PRO

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