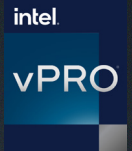# Why Workstations for Education

Lenovo solutions and Intel® technology move you to the front of the class.

With a greater emphasis on STEAM coursework from elementary school through higher education, the power of workstations is crucial for successful learning outcomes. Together, Lenovo Workstations and the Intel vPro® Platform deliver faster processing, software certification, and robust security, ensuring education institutions at every level have the right devices for students, administrators, instructors, and IT. With groundbreaking design, the latest Intel® Core™ and Xeon® processors, and NVIDIA® professional GPUs, Lenovo Workstations support all the applications needed in today's education environment.

Setting solid foundations for the future

Lenovo Workstations empower the most creative and innovative ideas that students can imagine. Beyond PC and laptop capabilities, these high performers are the right fit for careers that require enhanced multitasking, complex data calculation, and speedy configurations.

ARCHITECTURE, ENGINEERING, AND CONSTRUCTION (AEC)

Lenovo Workstations feature the superior reliability and innovative capabilities that engineering and architecture students require to build, model, and create modern structures. They are perfect for Computer-aided Design (CAD), Engineering (CAE), and Manufacturing (CAM).

GRAPHIC DESIGN & MEDIA PRODUCTION

The performance and reliability of Lenovo Workstations help aspiring creatives produce stunning, groundbreaking visuals for this in-demand industry. These powerful machines featuring Intel vPro® with 12th Gen Intel® Core™ processors are ideal for careers in graphic design, web development, animation, film, and broadcast editing.

DATA SCIENCE & AI

With AI students spending up to 90% of their time on tedious data processing and preparation tasks, this labor-intensive workflow is where powerful Lenovo Workstations deliver big for data science. Students move from analyzing data over hours at a time to milliseconds per click.

ESPORTS PROGRAMS

Serious gamers understand the power of a workstation for the win. That's why the high-performance computing and pro-level graphic processing of Lenovo Workstations are ideal for esports programs at any level. More than equipping the players with champion machines, Lenovo Workstations enable students and staff to manage teams and clubs with ease.

Rightsized solutions

Software capability is critical to choosing the right workstation. And Lenovo Workstations are all tested and certified by independent software vendors (ISVs) to ensure stability and reliability for optimal performance. From architecture to esports, Lenovo has the expertise to match the correct hardware with the software required for your workload—without breaking your budget. We'll help you determine the ideal configuration within good, better, and best options for your distinctive use case.

AUTODESK AUTOCAD **SIEMENS** **SOLIDWORKS** **Adobe** **DASSAULT SYSTEMES** **MAXON** A NEMETSCHEK COMPANY **ptc**

Processing performance

Our workstations, built on the Intel vPro® Platform, provide the highest level of power and performance to handle the most demanding education workloads, without compromising on efficiency.

- The latest Intel® Core™ and Intel® Xeon® processors for industry-leading performance tuned for the real-world workloads and applications.

- Thunderbolt™ 4 technology offers one connection for reliable charging, multiple monitors, and accessory connection.

- Improved productivity through quicker task completion plus more uptime with critical hardware and software reliability mean better overall TCO.

- NVIDIA® professional GPUs deliver the absolute best possible user experience to turn ideas into reality.

Unbeatable reliability

- 21.4% lower repair rate than leading competitors

- 88% of customers are satisfied with Lenovo

- 74% think Lenovo is more reliable than other vendors

- 91% are likely to purchase again

* PC Reliability Study (pp. 1-8, Rep.). (2019). Hampton, NH: Technology Business Research.

Robust security

Lenovo-based devices built on the Intel vPro® Platform offer the enhanced security essential in today's hybrid education environment. Workstation solutions with Intel® Hardware Shield and the holistic, end-to-end approach of Lenovo ThinkShield deliver secure productivity for students, staff, and faculty.

Solid support

Lenovo provides end-to-end services for your education workstations, from Premier Support with 24/7 expert support to our flexible and cost-saving DaaS solution.

- Premier Support delivers direct access to elite Lenovo engineers for unscripted troubleshooting.

- Device as a Service allows your school to operate with flexibility, free up capital, and outsource services and support.

- By certifying our entire portfolio of ThinkStation and ThinkPad P Series Workstations, we prioritize the needs of STEAM learning, guaranteeing our workstations will deliver the best possible user experience.

intel vPRO

Lenovo™

ThinkPad P16 Gen 1

Performance unpacked

Designed for those who demand the highest level of power and performance while on the go, the ThinkPad P16 maximizes creativity and amplifies productivity.

- **Up to Intel vPro® with 12th Gen Intel® Core™ i9 HX-Series processor**
- **Up to NVIDIA® RTX™ A5500 graphics card**
- **Up to 128GB RAM**
- **Up to 8TB PCIe Gen4 NVMe SSD storage**
- **16" 16:10 display**
- **FHD camera with webcam privacy shutter**

intel. vPRO i9

ThinkPad P15v *i* Gen 3

Accessible power

Built for creators who demand more value, the ThinkPad P15v *i* Gen 3 delivers fast, efficient performance and visually stunning presentations.

- **Up to Intel vPro® with 12th Gen Intel® Core™ i7 processor**
- **Up to NVIDIA® RTX™ A2000 graphics card**
- **Up to UHD display with HDR400, Dolby Vision™ HDR, and X-Rite color calibration**
- **Up to 4TB M.2 PCIe Gen4 NVMe SSD storage**
- **Up to 64GB DDR5 4800MHz memory**
- **Sustainable materials & certifications**

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ThinkPad P1 Gen 5
The power you need, the machine you want

Powerful, mobile, and visually stunning. The ThinkPad P1 is the perfect combination of form and function, designed to be admired.

ThinkPad P1 + ThinkReality A3 smart glasses
Smarter redefines what it means to be a visionary.

Collaborate, design, and train with this immersive solution for higher education. Ideal for STEAM coursework, ThinkReality A3 and the powerful ThinkPad P1 lets you augment your reality by accessing multiple monitors in a limited space or mobile environment while keeping all your data secure.

CPU — Up to Intel vPro® with 12th Gen Intel® Core™ i9 processor

GPU — Up to NVIDIA® RTX™ A5500 or NVIDIA GeForce® RTX 3070/3080 graphics

16" 16:10 QHD+/UHD+ display with Low Blue Light

Up to 8TB M.2 PCIe Gen4 NMVe SSD storage

Up to 64GB DDR5 4800MHz memory

Thin & light Carbon Fiber Weave or Black Chassis options

Sustainable materials & certifications

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REVOLUTIONARY NEW WORKSTATION FORM FACTOR
Superior performance in a new 3.9L compact form factor

ThinkStation P360 Ultra
Redefining the power of small

A brand-new workstation featuring a revolutionary form factor, the ThinkStation P360 Ultra breaks new ground by delivering superior performance and flexibility in a chassis less than four liters in total volume.

- **CPU** — Up to Intel vPro® with 12th Gen Intel® Core™ i9 processor
- **GPU** — Up to NVIDIA® RTX™ A5000 mobile
- 170W, 230W, 300W power supply (89% efficient)
- Up to 128GB DDR5, 4000MHz memory
- **SSD** — Up to two 4TB NVMe SSDs storage
- 3 DisplayPort™ ports[1] on board, up to 8 independent displays

[1] (1) Serial port standard; (1) Serial port optional

ThinkStation P360 Tiny
Small size, big performance

The industry's smallest workstation, the ThinkStation P360 Tiny is engineered to go where others can't, offering uncompromising performance in a form factor that is 96% smaller than a traditional desktop.

- **CPU** — Up to Intel vPro® with 12th Gen Intel® Core™ i7 processor
- **GPU** — Supports up to NVIDIA® RTX™ T1000 graphics card
- 170W or 230W power supply (up to 90% efficient)
- **SSD** — Support for dual M.2 Gen4 PCIe NVMe SSDs
- Support for up to 64GB DDR5 4800MHz memory
- **1L** — 1 liter total volume footprint

ThinkStation P348 Tower
Reliability of a workstation, price of a desktop

Workstation power within your reach. Built for mission-critical tasks that require superior reliability and performance, the ThinkStation® P348 is the ideal workstation solution for entry level CAD, professionals, STEM educators and students alike.

- **CPU** — Up to 11th Gen Intel® Core™ i9 processor
- **GPU** — Supports NVIDIA T400/T600/T1000 graphics cards
- 500w power supply, 92% efficient
- Up to 128GB, 3200MHz memory
- **M.2** — Single M.2 (up to 2TB) NVMe PCIe storage slot, Gen 3 + 2x3.5" (8TB, optional)
- 1 Display Port + 1 HDMI Port on board, up to 7 independent displays*

*Optional; available with discrete graphics only. 10 USB ports (6 Front, 4 Back)

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Bring big ideas to life with Lenovo ThinkVision P Series monitors

ThinkVision P32p-20

Learn with pixel-perfect clarity with this 4K UHD resolution screen, delivering a 99% accurate sRGB color gamut. The three-side, near-edgeless screen and 178°/178° viewing angles enhance collaboration wherever class is in session.

ThinkVision P27h-20

The QHD resolution and easy connectivity makes this stunning 27.0" QHD display ideal for the evolving learning environment. It delivers a premium functional and ergonomic experience with an impressive 4-side near-edgeless anti-glare screen for all-day creativity and discovery.

We've got the right solutions for your next-level education needs.
Contact your Lenovo Workstation specialist today.

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vPRO