# 5 Reasons Educational Organizations Need Intel-Powered AI PCs

Accelerate learning and productivity with tech that's fit for purpose

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# The AI PC era has arrived

AI is here, bringing new opportunities—and new demands—to educators, students, and administrative staff.

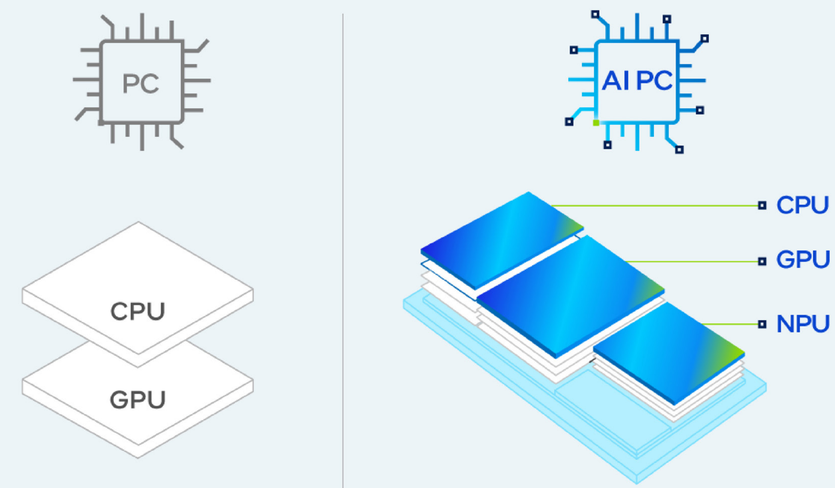
New apps and technologies hit the market every day, unlocking previously unimaginable advances in learning, collaboration, operational efficiency, and security. That's why **60% of surveyed teachers** say that they have integrated AI in the classroom, and 55% report a positive effect.[1]

As you prepare to refresh your PC fleet in this rapidly shifting landscape, you need specialized hardware designed to support emerging, compute-intensive AI technology.

You need AI PCs.

## What is an AI PC?

Legacy PCs still have to handle most AI workloads in the cloud to avoid local performance issues. AI PCs add a neural processing unit (NPU) to share workloads with the CPU and GPU to optimize performance, efficiency, and security.




Runs AI tasks in the cloud to avoid local performance issues

**Optimized to run AI tasks locally without loss of performance**

**NPUs** handle sustained, heavily used AI tasks at lower power.

# Building the future, enhanced with AI

AI PCs built on the Intel vPro® platform and powered by Intel® Core™ Ultra processors are designed for success.

These reliable, high-performance PCs are optimized for today's educational needs and tomorrow's advanced AI workloads. Three compute engines work in concert to handle AI apps and features without slowing down system performance.

The dedicated AI acceleration capabilities in Intel-powered AI PCs deliver:

- Enhanced classroom engagement
- Hybrid learning support
- Smarter, hardware-based security
- Highly efficient remote management
- Seamless collaboration
- Advanced data visualization and analytics

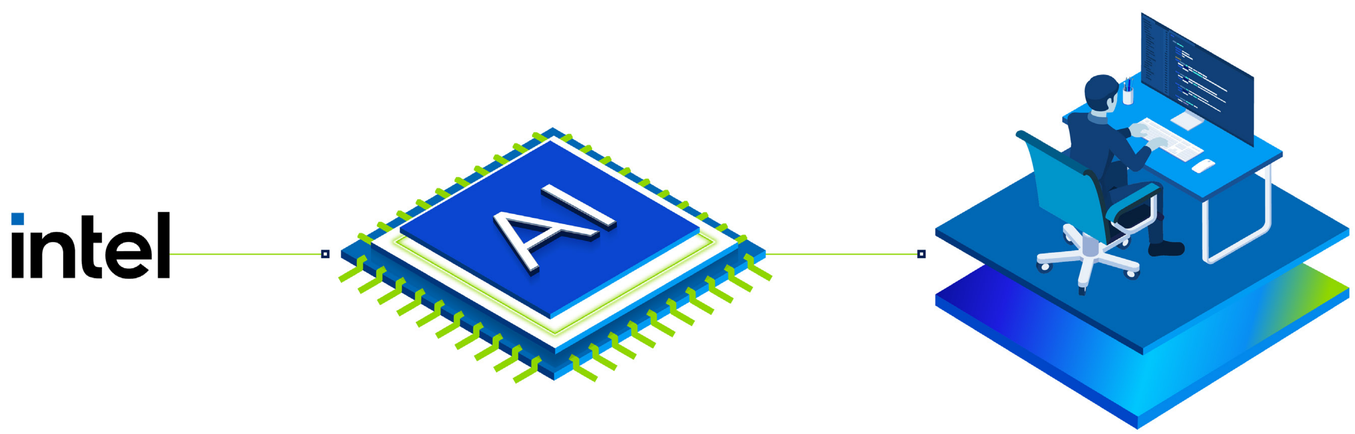
In this eBook, we explore five key reasons your educational organization should build its future with AI PCs powered by Intel Core Ultra processors.

# 1 Amplifying human intelligence

New AI apps and features are coming our way at an ever-accelerating pace, and now teachers and administrators can put them to work without slowing down system performance.

Choosing Intel gives your people access to more than **400 AI features** to promote learning, collaboration, and content creation. All backed by Intel's **decades of experience** designing and manufacturing industry-leading hardware.

This means your students, educators, and staff are happier and more engaged, and they get more done with less downtime.




**SPOTLIGHT**

## Intel® Skills for Innovation (Intel® SFI)

Empower your teachers and staff to become innovators with AI and other powerful tools in this linked set of professional development resources.

- Begin with 24 Intel SFI Starter Packs, each containing AI-infused content that inspires educators with new ways to help their students learn.
- Explore course design, multidisciplinary collaboration, and lesson planning for elementary, middle, and high school.
- Join the more than 100,000 educators and 500,000 students who are already engaging with Intel SFI content.[2]



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7.7

hours saved weekly

Research estimates that AI integration could save teachers 7.7 hours a week in grading, planning, and general administrative tasks[3]

## Embracing the future of education

AI PCs powered by Intel Core Ultra processors boost productivity and accessibility in multiple ways.

**Automating mundane tasks**: Educators with AI PCs accomplish more and stay more engaged by using AI tools to complete necessary but time-consuming tasks like grading, attendance tracking, and reporting.

**Enabling intelligent assistants**: Agents and apps like Microsoft Copilot help more people get more done by quickly summarizing meetings and lectures, offering live captions, drafting emails, and helping to analyze student performance.

**Accelerating content creation**: Powerful generative AI (GenAI) tools enable fast, iterative lesson plan and curriculum development, including photos, text, video, and more.

**Optimizing power**: Resource-hungry AI apps slow down legacy PCs, but AI PCs share these workloads with neural processing units (NPUs) built for sustained, energy-efficient performance. This means your people can worry less about charging their devices and stay more productive on the go.

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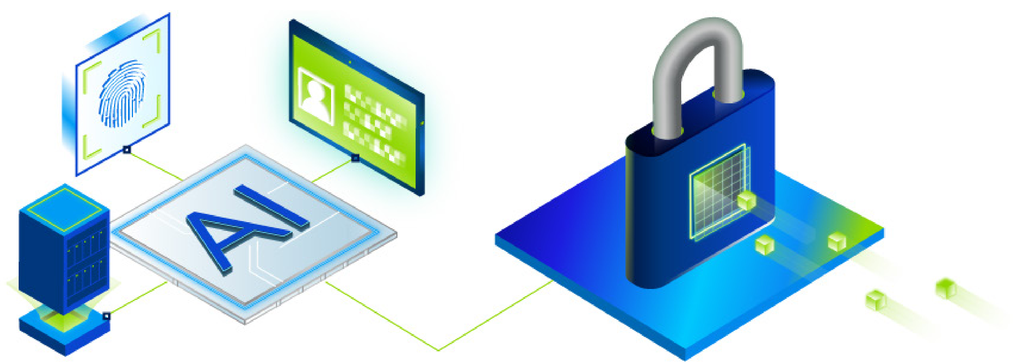
# Securing sensitive data against evolving threats

New security threats come at us every day. Ransomware attacks on schools have **cost more than $53 billion globally** in downtime alone between 2018 and 2023.[4]

Keeping your PC fleet secure means keeping it up to date and getting **ahead of the ever-changing threat landscape**, where new AI-driven attacks are flourishing.

AI PCs built on trusted Intel vPro technology **start protecting from the moment of boot up**—and even when they're powered down, if you choose Intel® Active Management Technology (Intel® AMT). In a recent survey, 83% of IT leaders reported that Intel vPro hardware-enabled security improves confidence among their organization's leaders and workforce.[5]




**SPOTLIGHT**

## Intel® Threat Detection Technology (Intel® TDT)

Hardware-based Intel TDT helps protect educational organizations by profiling and detecting malware on devices enhanced with Intel vPro using CPU telemetry and machine learning algorithms.

- Intel TDT enables software-based security solutions to scan deeper and more frequently to find file-less attacks sooner.
- An essential part of Intel vPro, it's built into the hardware to detect ransomware and software supply chain attacks.
- Intel works with leading security software vendors to pre-integrate Intel TDT so your IT teams can quickly activate hardware-based security capabilities.



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93%

ransomware detected

Intel TDT detected almost all known and unknown threats when tested[6]

## Protecting your people, data, and systems

In a world of advanced threats, you need advanced security.

**Local handling of AI workloads**: AI PCs built on Intel vPro augment your existing security solutions and run more workloads locally, avoiding unnecessary sharing and communication with cloud servers.

**Advanced hardware-based security**: The AI-enhanced multilayer security features included in Intel vPro help you monitor and adapt to new threats as they arise. Defend against 150 threats identified by the MITRE ATT&CK knowledge base with built-in countermeasures.[7]

**Streamlined IT management**: Automating processes reduces the time and cost it takes to protect student, faculty, and staff data across dispersed systems. Using AI PCs built on Intel vPro helps you reduce the number of incidents and mitigate the effects when they do occur.

**Remote patching**: Delivering patches and security updates remotely makes these advanced AI PC workstations much easier to protect,[8] and it helps you stay compliant with FERPA, COPPA, and other data privacy regulations.

# 3 Streamlining operations

Educational organizations rely on IT staff to support a complex, distributed group of people, including teachers, students, and administrators, who use more devices and operating systems than ever before. New capabilities lead to heightened expectations, which in turn drive the need for **new, future-ready machines**.

Upgrading your PC fleet will involve some of the most important decisions you'll face. Strategic initiatives, security, flexibility, and sustainability all demand your attention—and your budget. With AI PCs built on Intel vPro, **a large organization can see up to 213% ROI over three years**.[9]

**SPOTLIGHT**

## Intel® Active Management Technology (Intel® AMT)

Comprehensive remote device management streamlines IT processes throughout an educational organization.

- BIOS-level access to all devices, even when they're powered down or unresponsive, helps you get ahead of problems without costly on-site visits.[10]
- Intel AMT offers multiple activation paths. You can choose self-hosted or Intel-delivered activation or use your favorite unified endpoint management (UEM) software.



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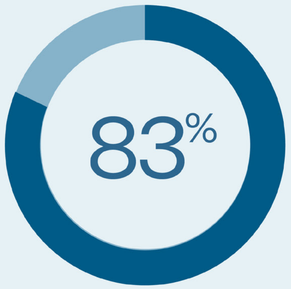


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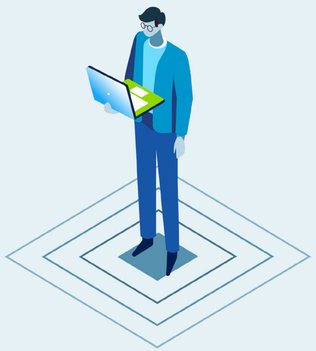

IT pros surveyed say they resolve hardware-related issues faster with Intel vPro based devices[11]

## Freeing up valuable resources

Improve life cycle management and boost ROI with AI PCs built on Intel vPro.

**Enhance system performance**: The onboard NPU helps your people run AI workloads locally with fewer performance issues, which improves productivity and heightens data security.

**Reduce downtime**: PCs built on Intel vPro help keep teachers and staff working smoothly while enhancing security and flexibility with out-of-band management plus remote patching and remediation.[12]

**Lower your costs and save time**: Benefits like operational and power efficiencies, stronger security, greater productivity, and fewer cloud subscriptions add up fast. And the Intel® Stable IT Platform Program (Intel® SIPP) makes it easier to deploy AI PCs on your own schedule.

**Prevent end-user issues**: AI PCs designed with Intel vPro have fewer issues, along with built-in predictive technology that speeds resolution, which can reduce ticket counts by 40%[13] and free up IT resources to support learning initiatives, administrative programs, and other needs.

# 4 Unlocking new opportunities

Education leaders are pivoting to **new strategies built on AI** to enhance curricula, secure student records, support hybrid learning, and handle other critical learning needs. No one knows exactly what's coming next—but we do know that more and better AI features will come faster and faster as developers take advantage of new technology.

That's why innovative, forward-looking educational organizations choose AI PCs powered by Intel Core Ultra processors.

Intel has built **decades of trust** with customers and developers by consistently empowering better user experiences.

**SPOTLIGHT**

## AI PC Acceleration Program

Intel's commitment to customers means a laser focus on helping developers optimize their apps and tools for Intel hardware.

The AI PC Acceleration Program puts more apps and features into your people's hands by connecting developers with Intel resources such as:

- AI toolchains
- Co-engineering
- Software optimization
- Design resources
- Technical expertise



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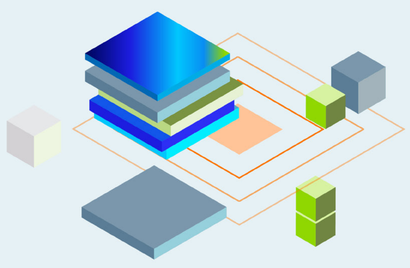
INTEL'S GROWING ECOSYSTEM

200+

ISVs

400+

AI apps and features



## Shaping the future

Only Intel can cultivate an AI ecosystem at this scale.

**Proven track record**: Deep collaboration with a robust developer network helps ensure that Intel's hardware is optimized for uptime and ready for the demanding AI workloads educators and administrative staff expect.

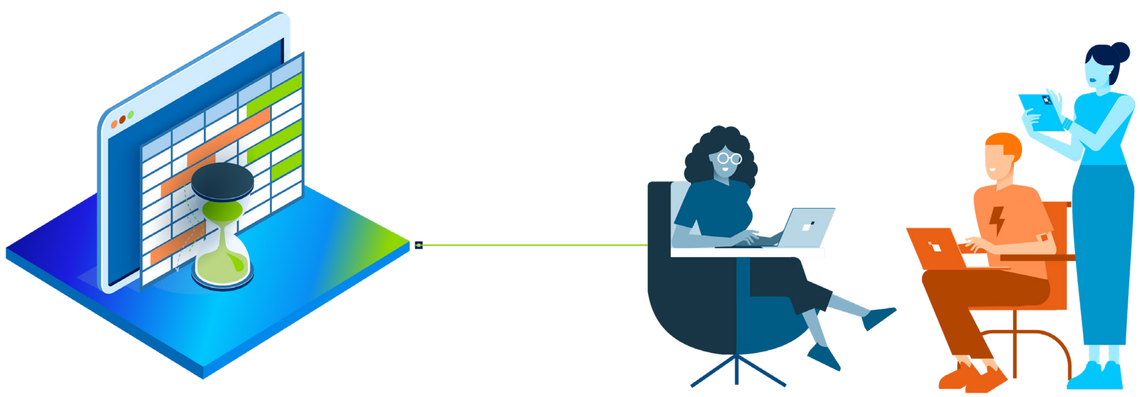
**Massive library of supported AI software**: Intel has one of the broadest ISV ecosystems in the PC processor industry. More than 400 AI apps and features are optimized for AI PCs powered by Intel today—and Intel is ready to run many more that haven't been dreamed up yet.

**AI runs best on Intel**:[14] By co-developing with more than 200 ISVs, Intel makes sure that your people will get the best AI experiences with Intel Core Ultra processors.

# 5 Handling tomorrow's workloads

To help your organization embrace the future of education with confidence, you'll need to invest in AI PCs that are ready for the next generation of apps and features. Devices like Copilot+ PCs powered by Intel Core Ultra 200V series processors and integration with advanced AI tools help you **adapt to a rapidly evolving landscape**.

And as new features that will only run on AI PCs come to market, **the time to adapt is now**.

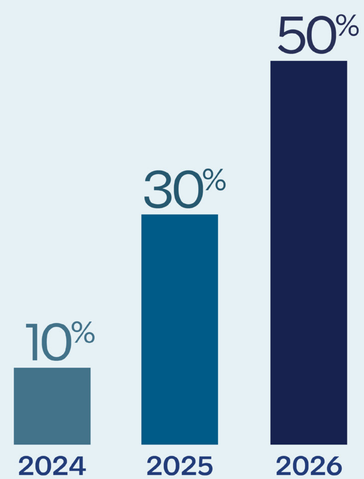


**SPOTLIGHT**

## Lexplore

Help your students thrive with this innovative AI-powered assessment and development service designed to support systematic reading improvements in schools.

- AI and integrated eye-tracking technology by Tobii Nexus is optimized for Intel's NPU.
- The service identifies reading and writing difficulties, including potential dyslexia risks, even in students who have developed coping strategies.
- The platform provides teacher guidelines, lesson plans, and fluency practice materials to support reading instruction.




## AI PC adoption is growing fast

Large organizations are quickly adding AI PCs to their fleets[15]

# Adapting to new possibilities

As educators adjust to integrate AI, you can get ahead of the game with Intel.

**Primed for success**: AI PCs powered by Intel Core Ultra processors are ready for the next generation of AI apps and workloads. You can rely on Intel hardware to drive transformation in the classroom and the back office.

**Adapted to modern teaching**: As AI flourishes, your educators need hardware that's best suited to new, innovative ways of learning.

**Ready for advanced apps**: Your people can easily run powerful, essential workloads like digital accessibility and predictive analytics.

**Access to more models and frameworks**: Intel supports over 500 AI models, more than any other chipmaker.[16] Use popular frameworks like TensorFlow and PyTorch to simplify implementation of AI-driven strategies.

# Ready for learning, ready for the future

AI is changing the way we teach and learn. Educational organizations that start adapting to these changes now will be **well positioned for future success**.

As PC workloads grow more demanding, as the pace of innovation accelerates, and as IT staff face new expectations, educators and administrative staff will need hardware that can keep up.

Intel Core Ultra processors are **purpose-built for this new era**. Choose AI PCs built on Intel vPro to unleash your educators, inspire your students, ease pressures on IT, and help administrative leadership adapt, thrive, and **take advantage of new possibilities**.

**Harness the power of AI with Intel vPro® based AI PCs optimized with CDW services.**

Connect with a CDW representative

[1] Forbes, "Artificial Intelligence In Education: Teachers' Opinions On AI In The Classroom," www.forbes.com/advisor/education/it-and-tech/artificial-intelligence-in-school, 2024.

[2] As of September 2024. See www.intel.com/content/www/us/en/content-details/830571/getting-real-about-ai-in-education-intel-ebook.html for details.

[3] MyeLearningWorld, "Report: Leveraging AI Tools Could Help US Teachers Avoid $43.4 Billion of Unpaid Overtime Work," myelearningworld.com/ai-tech-time-saved-education, 2024.

[4] Forbes, "What Cybersecurity Threats Does The Education Sector Face?" www.forbes.com/councils/forbestechcouncil/2024/03/11/what-cybersecurity-threats-does-the-education-sector-face, 2024.

[5, 9, 11, 13] Based on "The Total Economic Impact™ of the Intel vPro Platform," an Intel-commissioned study by Forrester Consulting, January 2024, which surveyed 500 ITDMs at enterprises across the world using Intel vPro®, including US, Canada, France, Germany, UK, Australia, China, India, and Japan. For the study's findings, Forrester aggregated the data and experiences from the interviewees into a composite organization with an assumed revenue of $1 billion per year and 10,000 employees. See www.intel.com/content/dam/www/central-libraries/us/en/documents/2023-12/tei-of-intel-vpro-as-endpoint-standard.pdf for details.

[6] SE Labs, "Enterprise Advanced Security (Ransomware), CPU Detection, Intel Threat Detection Technology," selabs.uk/reports/enterprise-advanced-security-ransomware-intel-threat-detection-technology-2023-0, 2023.

[7] 150 count represents cumulative Intel vPro unique techniques/sub techniques that span Microsoft Windows 11, Microsoft Defender, and CrowdStrike Falcon as of January 4, 2025. See community.intel.com/t5/Blogs/Tech-Innovation/Artificial-Intelligence-AI/Intel-AI-PCs-Deliver-an-Industry-Validated-Defense-vs-Real-World/post/1650954 for details.

[8, 10, 12] Remote management requires a network connection; must be a known network for Wi-Fi out-of-band management. See www.Intel.com/Performance-vPro for details. Results may vary.

[14] Refers to client applications, based on the broad compatibility, extensive software options, unique architecture, and impressive performance of Intel® Core™ Ultra processors that combine to deliver the best overall AI experience, including in comparison to competition processors (as of December 2024). AI features may require additional purchase or specific compatibility requirements. See www.Intel.com/PerformanceIndex for details. Results may vary.

[15] Canalys Insights, "Lunar Lake to add momentum to Intel's AI PC goals," 2024. Canalys Principal Analyst Ishan Dutt interviewed Todd Lewellen, Vice President and General Manager of PC Ecosystem at Intel, contributing to this Canalys forecast about how much the AI PC share will grow by 2026. Lunar Lake is the former codename of Intel® Core™ Ultra 200V series processors. See www.canalys.com/insights/lunar-lake-momentum-intel-ai-pc-goals for more details.

[16] As of February 2025; see www.intel.com/content/www/us/en/now/aipc-leadership.html for details.

Intel technologies may require enabled hardware, software, or service activation.

All versions of the Intel vPro® platform require an eligible Intel processor, a supported operating system, Intel LAN and/or WLAN silicon, firmware enhancements, and other hardware and software necessary to deliver the manageability use cases, security features, system performance, and stability that define the platform. Remote management requires a network connection; must be a known network for Wi-Fi out-of-band management. See www.Intel.com/Performance-vPro for details.

Performance varies by use, configuration, and other factors. Learn more at www.Intel.com/PerformanceIndex.

AI features may require software purchase, subscription or enablement by a software or platform provider, or may have specific configuration or compatibility requirements. Data latency, cost, and privacy advantages refer to non-cloud-based AI apps. Learn more at Intel.com/AIPC.

No product or component can be absolutely secure. Learn more at www.Intel.com/PerformanceIndex (Security & Manageability).

Your costs and results may vary.

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