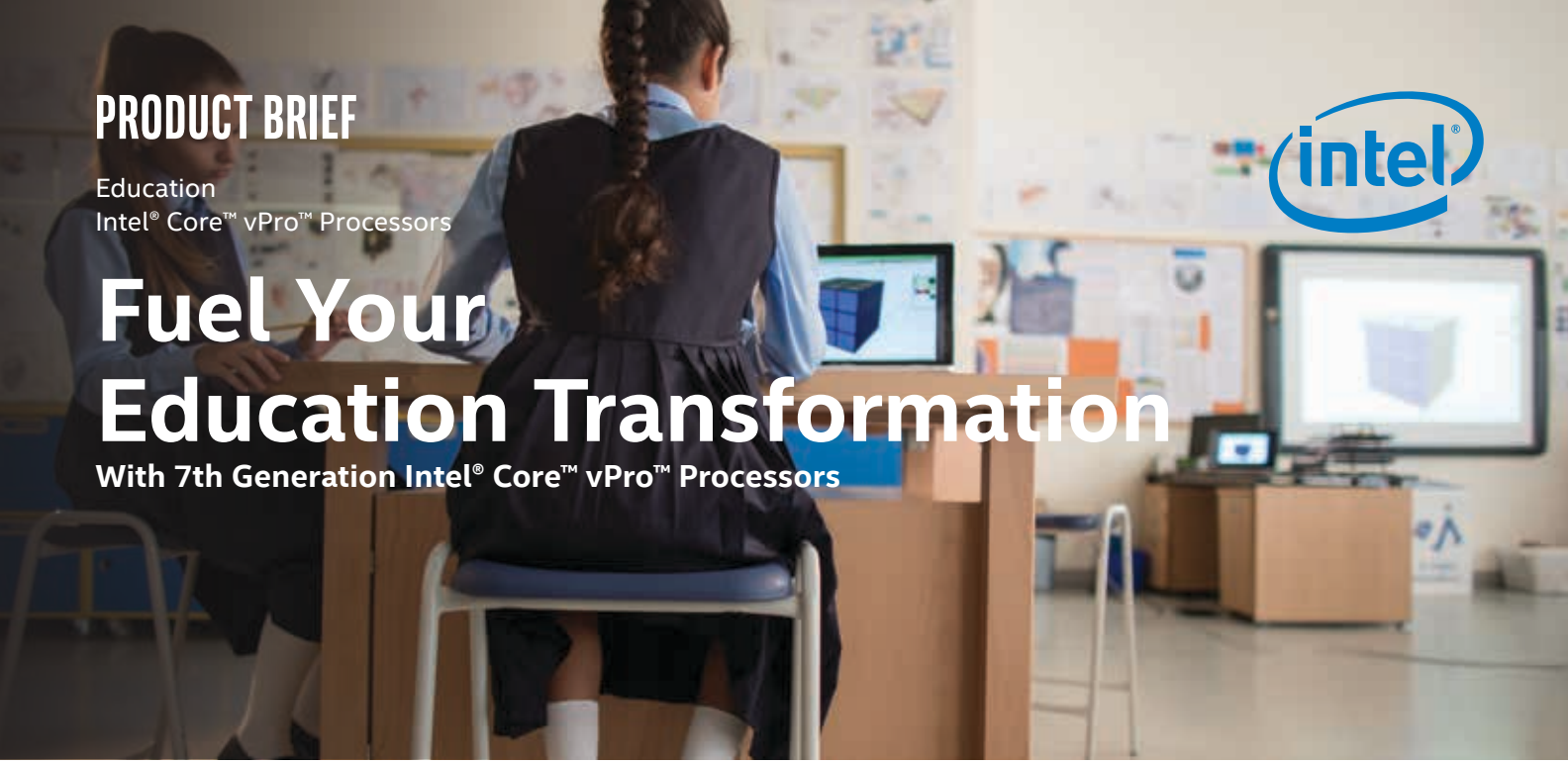


PRODUCT BRIEF

Education
Intel® Core™ vPro™ Processors

Fuel Your Education Transformation

With 7th Generation Intel® Core™ vPro™ Processors

The 7th Generation Intel Core vPro processor is Intel's newest platform designed to meet the needs of today's modern schools by providing outstanding performance, hardware-enhanced security, and streamlined remote management.

In today's schools, technology decision makers are faced with many challenges—a few of those include management of dispersed devices, protection of assets and data against security threats, and the cost of supporting aging devices. The 7th Generation Intel® Core™ vPro™ processor is Intel's newest platform designed to meet the needs of today's modern schools by providing outstanding performance, hardware-enhanced security, and streamlined remote management.

Proven Performance

The 7th Generation Intel Core vPro processor delivers up to 65 percent faster multitasking,[1] and as much as 50 percent better performance than a 5-year-old PC,[2] allowing teachers and students to spend less time waiting, and more time engaging in truly interactive learning experiences. From Adobe Photoshop* to CAD animations, Intel® Hyper-Threading Technology handles demanding applications with ease by running multiple threads on each core to deliver cutting-edge responsiveness for the most demanding learning tasks. And with battery life that lasts up to 10 hours,[3] teachers and students now have the freedom to explore, engage, and learn inside and outside the classroom throughout the whole school day.

Hardened Security

As education technology evolves, so have the security threats. Protect your students, educators, and data against these threats with hardware-enhanced security capabilities built into the 7th Generation Intel Core vPro processors.

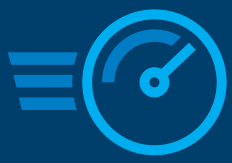
Intel® Authenticate Technology

Consider these data points: 63 percent of data breaches start with misused or stolen user credentials,[4] up to 50 percent of all help desk calls are for password resets, and each reset can cost an average of $70 per incident.[5] Intel® Authenticate Technology is a customizable solution that mitigates security risk by moving traditional multi-factor authentication software function into the hardware, so that key identity data and policy decisions are no longer exposed to software-based attacks.

Intel® Data Guard

Intel® Data Guard is a hardened data encryption solution that protects files on IT-managed PCs and works with existing IT tools. Too many of today's encryption solutions are complex, and often put the burden on young students to protect their files. Now with Intel Data Guard, user files are automatically encrypted and remain protected on IT-managed PCs when stored locally, in the cloud, or on a USB drive. It also takes advantage of other Intel security technologies (Intel® Converged Security and Manageability Engine and Intel® Software Guard Extensions) to generate, store and retrieve highly sensitive information, adding extra layers of protection for your most important data.

PERFORMANCE



The 7th Generation Intel Core vPro processor delivers up to 65 percent faster multitasking,[1] and as much as 50 percent better performance than a 5-year-old PC.[2]

SECURITY

Protect your students, educators, and data against threats with hardware-enhanced security capabilities built into the 7th Generation Intel Core vPro processors.

MANAGEABILITY

Intel AMT powers remote device management through tools such as out-of-band system access and keyboard/video/mouse (KVM) control.

Streamlined Manageability

Configure, repair, and protect 7th Generation Intel Core vPro processor-powered devices easily and remotely with Intel® Active Management Technology (Intel® AMT). Intel AMT is an exclusive feature of the Intel® vPro™ platform that powers remote device management through tools such as out-of-band system access and keyboard/video/mouse (KVM) control. Reduce on-site support costs[6] with Intel AMT by remotely configure, diagnose, and update your fleet of PCs. Even without power or in the case of OS failure, Intel AMT's out-of-band capabilities keep you in control.

End of school year can mean endless IT tasks. With Intel AMT, repurposing devices no longer needs to be a tedious process. Instead of manually wiping drives, you can remotely sanitize old data with Intel® Remote Secure Erase for Intel® Solid State Drives that are managed by Intel AMT. Wipe SSD media and delete encryption keys in seconds from anywhere, and simplify PC lifecycle transitions with just a few clicks.

Trusted Stability

Innovation in education technology doesn't need to feel like a game of catch up. Instead of stressing over unexpected driver variations, software image management, and hardware support costs, upgrading to new 7th Generation Intel Core vPro processor-based devices can ensure no changes to key platform components and drivers for at least 15 months or until the next generational release, as backed by the Intel® Stable Image Platform Program (Intel® SIPP)—one of the most rigorous validation processes across the industry. Intel works hand in hand with OEMs for a full year—every year—conducting thousands of tests and feedback loops to certify that devices in the Intel SIPP deliver quality you can count on.

Delivering a modern learning experience

No-compromise design delivers the right PC for every user. The 7th Generation Intel Core vPro processor offers a broad range of sleek new form factors. Choose from more than one hundred innovative designs, from laptops, 2 in 1s, Ultrabooks,™ all-in-one PCs, to mini PCs, all with high-performing 14nm technology.

Windows® 10 runs best on Intel. Microsoft Windows® 10 works synergistically with devices powered by 7th Generation Intel Core vPro processors, resulting in outstanding performance and user experience. Prepare students for success and give your school the competitive edge with Windows® 10 on 7th Generation Intel Core vPro processors.

Get connected and ready with Thunderbolt™ 3 technology. Reduce cable management and empower users with more convenient, ubiquitous connectivity by upgrading to new 7th Generation Intel Core vPro processor-based devices with Thunderbolt 3 technology. With support for more protocols than any I/O controller, a Thunderbolt 3 port connects to billions of USB devices, delivers lightning-fast data transfer speeds, and supplies up to 100-watt charging simultaneously.

For more information, visit www.intel.com/vpro

[1] As measured by SEG572, which is an office productivity and multitasking workload wing Word* (save to PDF), Excel* (recalc), PowerPoint* (slide sort), and NXPowerLite Desktop* (to shrink contents with office documents, kind of like compression), all while playing video in the background (simulating the watching of a business training or webcast).

[2] Measured by SYSmark* 2014, a benchmark from the BAPCo* consortium that measures the performance of commonly used productivity applications like Microsoft Excel* and Adobe Acrobat.* Find out more at bapco.com.

[3] As measured by Windows® 10 EEMBC Browsing Bench Component Average Power.

[4] Data Breach Investigations Report, Verizon (2016).

[5] Gartner and Forrester Research Estimates in a Safestone Technologies White Paper, IBM Systems Magazine (2014).

[6] Prescribing an Ounce of Intel vPro Cure, MSPmentor (2015).

Software and workloads used in performance tests may have been optimized for performance only on Intel microprocessors. Performance tests, such as SYSmark and MobileMark, are measured using specific computer systems, components, software, operations and functions. Any change to any of those factors may cause the results to vary. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchase, including the performance of that product when combined with other products.

Intel technologies' features and benefits depend on system configuration and may require enabled hardware, software or service activation. Performance varies depending on system configuration. No computer system can be absolutely secure. Check with your system manufacturer or retailer or learn more at intel.com.

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