intel®

Building a Secure Digital Learning Environment

With Breakthrough Identity Protection Offered by Intel® Authenticate

INTEL® AUTHENTICATE

As schools modernize, digital data increases, and so does the potential security vulnerability. Any place information is collected, stored, used, or transmitted can become a potential area of theft, loss, or attack. The issue of safeguarding sensitive student information has become critical.

Consider these data points: 63 percent of data breaches start with misused or stolen user credentials[1], up to 50 percent of all help desk calls are for password resets, and each reset can cost an average of $70 per incident[2].

Intel® Authenticate Technology provides schools with a convenient and efficient way to manage policy-driven, hardware-based multifactor authentication (MFA) for identity and access management. It moves multifactor authentication function into the hardware layer, so that key identity data and policy decisions are not exposed to software-based attacks. With Intel Authenticate, secure login is no longer a time-consuming process, allowing classes to start quickly and seamlessly.

Secure to the core

Your security infrastructure is only as strong as its weakest component. Traditional authentication methods require complex passwords that have to be changed frequently, putting a tremendous burden on young students to manage their various forms of school credentials. Today, many information security standards and regulations require the use of multifactor authentication when it comes to the protection of sensitive data. Intel Authenticate stands out from other software-only solutions by extending protection outside the operating system and into the hardware layer. Authentication factors, IT security policies, and authentication decisions are all encrypted in the hardware. User credentials managed by Intel Authenticate are also protected in the hardware layer to prevent exposure to software attacks.

Intel® Authenticate Technology moves multifactor authentication function into the hardware layer, so that key identity data and policy decisions are not exposed to software-based attacks.

What is multifactor authentication (MFA)?

Intel Authenticate secures system access by verifying a user's identity using a combination of multiple factors at the same time, in an IT customizable manner, including:

• Something you know (such as a PIN)

• Something you have (such as a Bluetooth* device)

• Something you are (such as a fingerprint)

• Someplace you are (location-based identification)
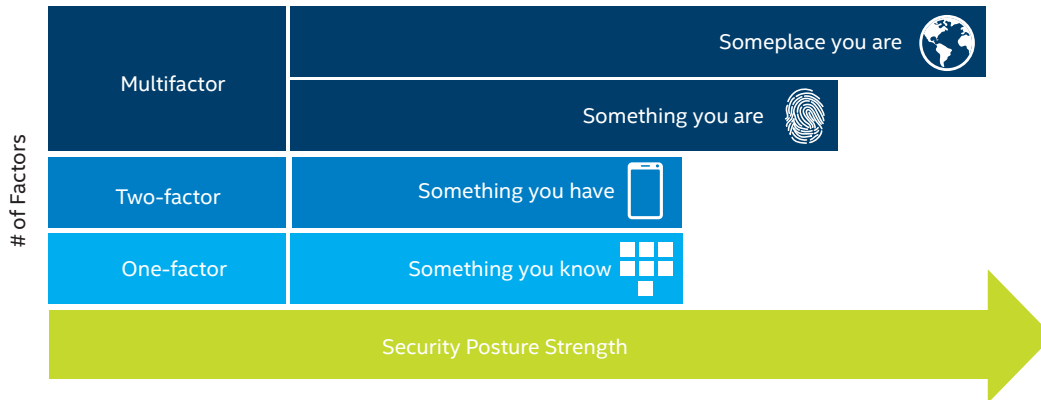
Each additional authentication factor improves security assurance by an order of magnitude. IT can easily customize a combination of factors to meet your school's specific security criteria. With Intel Authenticate baked right into the hardware of 6th and 7th Generation Intel® Core™ vPro™ processor-based devices, additional hardware is not required for deployment. Furthermore, new 7th Generation Intel Core vPro processor-based devices now also support additional factors from OEMs and hardware vendors, giving you more choices for policy customization.

Strong on security, efficient for IT

Get the added identity protection that works with your existing school security infrastructure. Intel Authenticate enables flexible policy configuration and enforcement, with streamlined deployment through familiar PC management and centralized tools already in use. Designed to work with Windows* 7, Windows* 8.1, and Windows® 10, schools get the security posture they need, along with the choice they demand, without having to upgrade operating systems.

Enjoy a smooth deployment in your existing environment, with support for Microsoft System Center Configuration Manager* (SCCM), Active Directory Group Policy Objects (GPO) and McAfee® ePolicy Orchestrator (McAfee ePO)* to configure your policies. A simple, downloadable plug-in model also walks teachers and students through the new experience, so they can get started quickly without calls to IT.

Better protection, less headache

Don't let security protection be a barrier to learning and productivity. Give your teachers and students the freedom to explore, interact, and create with an authentication solution that provides a smooth, uninterrupted experience, with intuitive and flexible sign-on. No longer do students have to juggle various complex credentials or stop to enter a different set of username and password each time they use a new application or tool, Intel Authenticate helps educators reclaim valuable learning time in the classroom, while IT can keep support cost down by reducing helpdesk calls, desk-side visits, and data breach risks.

ZONES™

(intel®)