



Lenovo recommends  
Windows 10 Pro for Business.

ThinkShield

# Flexible security to protect the future of learning.

Choose from the latest Lenovo devices  
with the built-for-business Intel vPro®  
platform and Microsoft Windows 10 —  
and focus on teaching and learning  
priorities instead of IT management.

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## Education cybersecurity has taken the spotlight.

24%

Ransomware attacks were up 24% for K-12 education in 2020.<sup>1</sup>

54%

of education IT administrators know employees are using **unknown or unapproved cloud apps**.<sup>2</sup>

\$2M

The median amount of **money was stolen** from school staff and vendors in spear-phishing attacks is \$2 million per incident.<sup>3</sup>

1 in 5

districts has adopted or plans to adopt **virtual learning** after the pandemic.<sup>4</sup>

4.8M

education devices **encountered malware** over a 30-day period.<sup>5</sup>

90%

of cyberattacks start with **phishing**.<sup>3</sup>

3x

Attacks on IoT devices tripled in the first half of 2019.<sup>6</sup>



The ThinkPad® L13 designed on the Intel vPro® platform delivers business-class performance for the classroom.



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## ThinkShield is ready.

The ThinkShield security portfolio — powered by the Intel vPro® platform — safeguards the entire lifecycle of a device, layering protections for holistic and comprehensive security coverage. It is built on a set of **core beliefs** about how best to serve the evolving security needs of your students and staff.



### **Strong security fundamentals allow IT to drive growth.**

When IT spends less time on updates and password resets, they can serve a more critical role as drivers of innovation and growth.



### **Security that interferes with learning is unacceptable.**

If device security slows down your teachers or students, they'll find ways to circumvent it. The best solutions stay out of their way.



### **Innovation must not outpace security.**

Every technological advancement opens an organization up to new threats — and the hackers are ready to exploit them. Security solutions must be able to adapt.



### **Comprehensive solutions reduce costs and pay returns.**

Technical debt accumulates when you attempt to solve one security issue at a time with solutions that weren't designed to work together. Customizable, end-to-end solutions reduce sunk costs and create new cost efficiencies.



ThinkPad P14s i  
Mobile Workstation



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# ThinkShield

## What is ThinkShield?

A comprehensive portfolio of end-to-end security tools that encompasses hardware, software, services, and processes.

### Advanced solutions across four categories

#### ThinkShield Built-in Platform Security\*

- Intel vPro® platform
- Microsoft Secured-core PC-ready
- Secure wipe
- Self-healing BIOS
- Tamper switch
- Security Engine
- Webcam privacy shutter
- Windows 10 Hello and FIDO2

\*Security features for devices built on the Intel vPro® platform.

#### ThinkShield Device Protection

- Fingerprint reader with match-on-chip
- IR camera
- Keep Your Drive service
- PrivacyGuard with PrivacyAlert (shoulder surfing protection)

#### ThinkShield Threat and Data Protection

- Full-disk encryption and management
- SentinelOne® AI-powered antivirus

#### ThinkShield Security Management

- Absolute® software-based MDM
- IoT endpoint protection
- MobileIron mobile-centric, zero-trust security
- Lenovo Device as a Service
- Lenovo Commercial Vantage device management portal

# 76%

of security pros are focused on detection, but **protection can save organizations up to \$1.4M per attack.**<sup>7</sup>

# 38%

Only 38% of global organizations **believe they are prepared** for a sophisticated cyberattack.<sup>8</sup>

### Security by Design

Security begins in R&D and extends through our supply chain and the lifecycle of every device we build.

### Secure Supply Chain

Every step of the manufacturing process is controlled, audited, and tamper-proof from our facility to your employees' desks.



ThinkPad L13 Yoga



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# Can your devices defend and repair themselves?

Advanced hardware security and BIOS protection hardens endpoints from attack and restores devices to a known good state.

## Intel® Hardware Shield

Part of the built-for-business Intel vPro® platform, Intel® Hardware Shield puts extra locks on the Lenovo BIOS so a bogus firmware update can't take hold of your device.

## Infrared camera

Integrated IR cameras enable biometric authentication and presence detection, which alert users to shoulder surfers and lock the device when the user is away.

## PrivacyGuard

Filters the screen to restrict the field of view.

## The root of trust

Secured-core PCs boot up against a security checklist known as the "root of trust." If processes and movements deviate from the norm, boot-up is aborted.

## Secured-Core PCs help you;

- Protect sensitive company information
- Avoid costly data breaches
- Defend against malicious software
- Prevent employees from falling to phishing scams
- Prevent employees from changing the BIOS
- Control identity access
- Stay current on new and evolving threats.



ThinkPad E15

Firmware vulnerabilities  
have grown

# 750%

since 2016.<sup>9</sup>

Gartner predicts that

# 70%

of organizations without  
a firmware upgrade plan  
**will experience a firmware  
breach** by 2022.<sup>10</sup>

## Port protection

Smart Thunderbolt™/USB protection prevents unauthorized data transfer by restricting port access to only non-storage peripherals.

## Security Engine

A custom chip embedded within Lenovo Think devices that perform security functions that are completely isolated from the software.

## USB secure hard drive

High-level, 256-bit AES security, as well as a keypad for entering an 8- to 16-digit password.

## Webcam privacy shutter

Integrated physical webcam cover assures that the camera is not in use.



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# Defending your data against tomorrow's threats.

Almost every component in a PC is susceptible to attack. The Lenovo ThinkShield portfolio is watching all of them. You can't be with students and staff every minute... but ThinkShield can.

## Data encryption

Whether data lives on a device hard drive or in the cloud, ThinkShield protections — including WinMagic — can encrypt it from end to end so sensitive data can be safely shared.

## Absolute® endpoint visibility and control

An MDM embedded directly into Lenovo device firmware, Absolute's endpoint visibility and control solution provides persistent security management. It automates endpoint hygiene to support self-healing capabilities. It is real-time remediation control allows remote investigation of potential threats and prompts action if a security incident occurs.

## Next-generation antivirus protection

Cloud-based and autonomous, SentinelOne® uses AI and ActiveEDR to predict, prevent, and stop even zero-day attacks, alerting the network and rolling your devices back to a clean, known good (pre-breach) state.

## Secure disposal

Your data is protected even when your device reaches the end of life. You can elect to keep your hard drive,<sup>11</sup> or we can securely wipe the data and dispose of the device in an environmentally sensitive manner.

ThinkPad T14s i  
designed on  
Intel® Evo™ vPro®  
platform

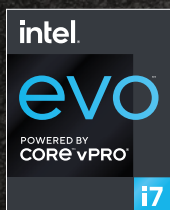


# 38%

**of employees are not confident** they know how to stay secure while working remotely.<sup>12</sup>

# 46%

**of websites have high-security vulnerabilities** that an end user could never know about.<sup>13</sup>



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## Supporting your classroom data security.

Education today is constantly in motion, and security measures need to keep up. That's why Lenovo offers a range of software and service solutions in addition to the built-in enhanced security features of the Intel vPro® platform to help keep hybrid classrooms and education data secure.

79%

of organizations currently use **security automation tools** or plan to use them within the next 3 years.<sup>14</sup>



### Lightspeed Filter™

Monitor and control activity to maintain e-safety compliance — even for BYOD devices — with advanced AI that blocks inappropriate sites and content.



### Lightspeed MDM™

Control school-issued devices remotely, set policies including access restrictions, and maintain data privacy. Manage and report on all apps and devices, and easily locate and recover lost/stolen devices.



### Lightspeed Analytics™

Analyze adoption, optimize utilization, and eliminate redundancy. Lightspeed Analytics also helps you inform ROI, track licenses, and identify redundant and underutilized apps.



### Keep Your Drive

Dispose of data on your terms, improving data security and ensuring compliance with data privacy and retention requirements.



### Cloud recovery

With your custom image stored in the cloud, hard drive or software failure can be easily recovered by authorized users anywhere, without assistance from IT.



### Lenovo Online Data Backup

If a user needs to retrieve their data, Lenovo provides a simple, automatic, and secure cloud backup and recovery service that protects students and staff from data loss.



### Lenovo Asset Recovery Services

Mitigate the environmental and data security risks associated with end-of-life asset disposal. ARS offers a flexible, single-source solution for the secure, documented disposition of IT assets and data.



ThinkPad E14



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## Lenovo DaaS

# A refreshingly simple approach to device management.

### Discover the smarter simplicity of Device as a Service

Take the next step to seamlessly enable learning and let Lenovo take care of everything — all for one affordable, predictable monthly fee.

Choose from the latest Lenovo devices with the built-for-business Intel vPro® platform and Microsoft Windows 10 — and focus on district priorities instead of IT management.



**Free up capital** and improve IT employee productivity.



**Get end-to-end services and support** that precisely match your needs.



**Enjoy the simplicity** of one predictable monthly fee.



**Easily add or remove devices** from your plan. Pause your service as your needs change.



ThinkVision® T24t



ThinkPad L13 Yoga

# 63%

of respondents in a recent global survey indicated they were interested in a DaaS solution.<sup>15</sup>



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## Protect education wherever it takes place.

**IT leaders do more than protect data.  
You enable learning.**

Education today requires an environment that supports safe, accessible collaboration among students and teachers in a hybrid environment. ThinkShield helps you deliver that experience everywhere.

**IT security isn't a cost —  
it's an investment that drives returns.**

With ThinkShield solutions in place, IT will spend less time setting up, monitoring, and securing devices, and more time implementing next-generation technology.

**Security solutions keep IT teams  
agile and ahead of the game.**

You don't have to play catch-up. ThinkShield solutions prepare you for tomorrow's threats with PCs that can defend themselves.

**#1**

**Cybersecurity** is the #1 priority for education IT leaders.<sup>3</sup>



ThinkPad L15



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## Evolve and thrive with ThinkShield security

ThinkShield is Lenovo's security portfolio of hardware, software, services, and processes — fully customizable solutions to secure your learning environment. Lenovo recommends Windows 10 Pro powered by the Intel vPro® platform.

Visit [www.lenovo.com/Education](http://www.lenovo.com/Education). We're experts at breaking down barriers and building smart solutions. When you're ready, we're here to help.

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