Can your PCs defend and repair themselves? Ours can.

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

Microsoft Secured-core PC and Intel vPro® platform protections

ThinkShield is powered by the Intel vPro® platform: a collection of hardware-enhanced security features built for business and enabled by modern Intel® Core™ processors. Secured-core PCs boot up against a security checklist to verify integrity every time the device is turned on.

Encrypted SSDs
Built-in AES 256-bit self-encryption protects data at the hardware level.

Windows Hello
Frictionless authentication with biometric facial scanning and other passwordless modes.[1]
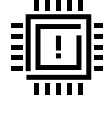Windows Hello is 3x faster than typing in a password.[2]

Intel® Software Guard Extensions
Creates secure enclaves within memory, protecting sensitive data being viewed by other apps.

Intel® Threat Detection Technology and Accelerated Memory Scan
Uses the graphics engine for aggressive scanning while leaving the CPU free for user productivity.

Intel® Hardware Shield
Locks the BIOS when software is running to protect against attacks during boot and operation.
ThinkShield BIOS can self-heal in the event of corruption for minimal disruption or downtime.
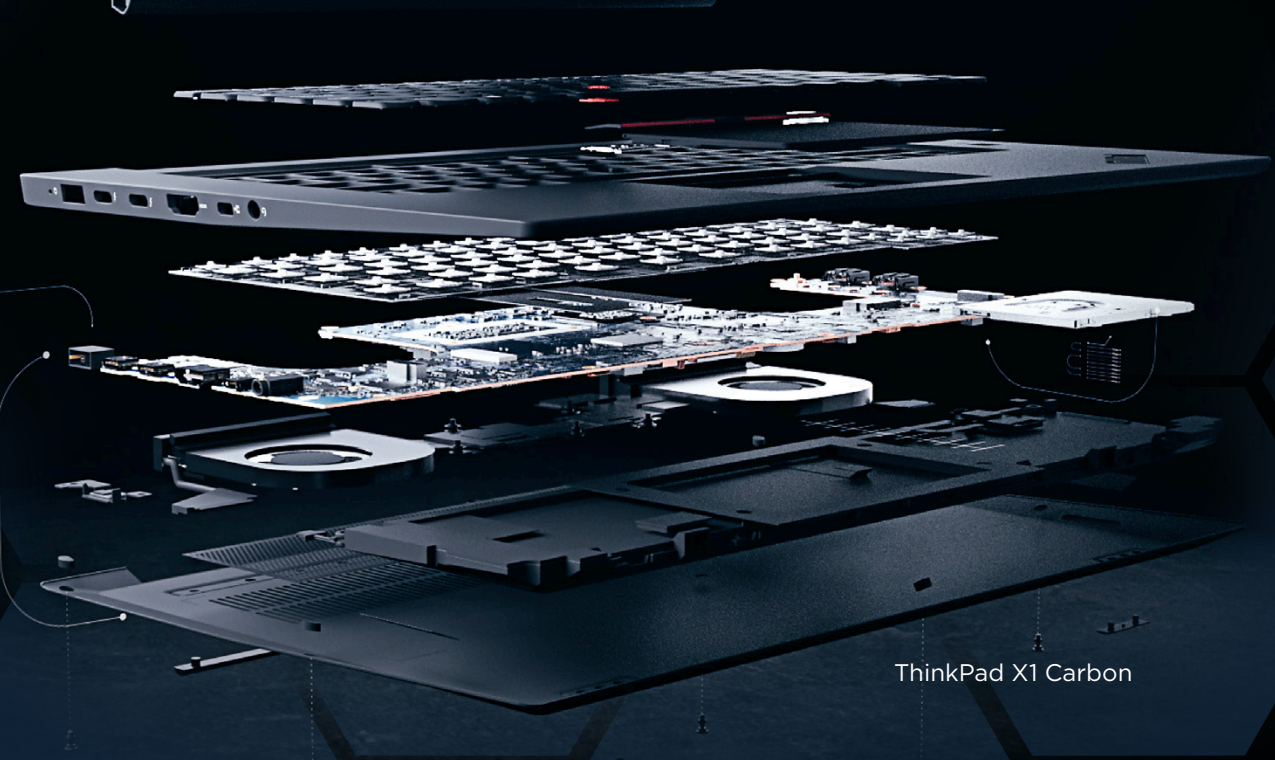
Intel® Transparent Supply Chain
Tracks and reports the authenticity of PC components to ensure devices haven't been tampered with or compromised.

Intel® Active Management Technology
Silicon-level platform management features for secure out-of-band access to continually manage and recover devices back to a healthy state.
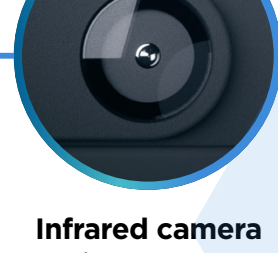
ThinkPad X1 Carbon
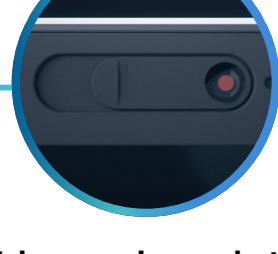
ThinkShield device protections

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.

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

ThinkPad X1 Carbon

Port protection
Smart Thunderbolt™ and USB protection prevent unauthorized data transfer by restricting hardware port access to only non-storage peripherals.

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

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

ThinkShield: Smarter hardware security

ThinkShield is Lenovo's security portfolio of hardware, software, services, and processes — fully customizable solutions to secure your critical data and business technology.

Lenovo recommends Windows 10 Pro for business, powered by the Intel vPro® platform.

Learn more at www.lenovo.com/ThinkShield.

Intel vPro Built for Business

Windows 10
Lenovo recommends Windows 10 Pro for Business.

Smarter technology for all

Lenovo