

Buyer's Guide

**LENOVO 360°
SECURITY**

Protect Your Business with Proven Security Solutions

Lenovo™



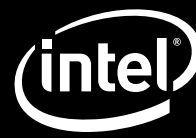
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Security and Data Protection for the Digital World

As mobility grows, protection of data and networks is becoming a huge concern for nearly every business. The level of sophistication of today's security threats prompt the need for a comprehensive approach to keep your business devices, networks, and data protected. The introduction of the stringent General Data Protection Regulation (**GDPR**) in the European Union by May 2018 also means stern punitive action for negligence that could jeopardize confidential data, or for any other non compliance.

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Common Mistakes Organizations Make While Determining Security Policy

Some organizations focus on a couple of key pieces of security. For example, some focus exclusively on anti-virus technologies.

The problem is that today less than 40% of attacks involve malware. You need a 360° approach to security, or you will be exposed.

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Here are some aspects that organizations are doing completely wrong:



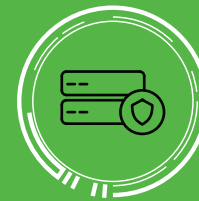
Focusing on network instead of business applications as the highest level of vulnerability is on the application layer



Failing to recognize the human aspect of security



Not recognizing security as one of the top priorities while adopting new solutions



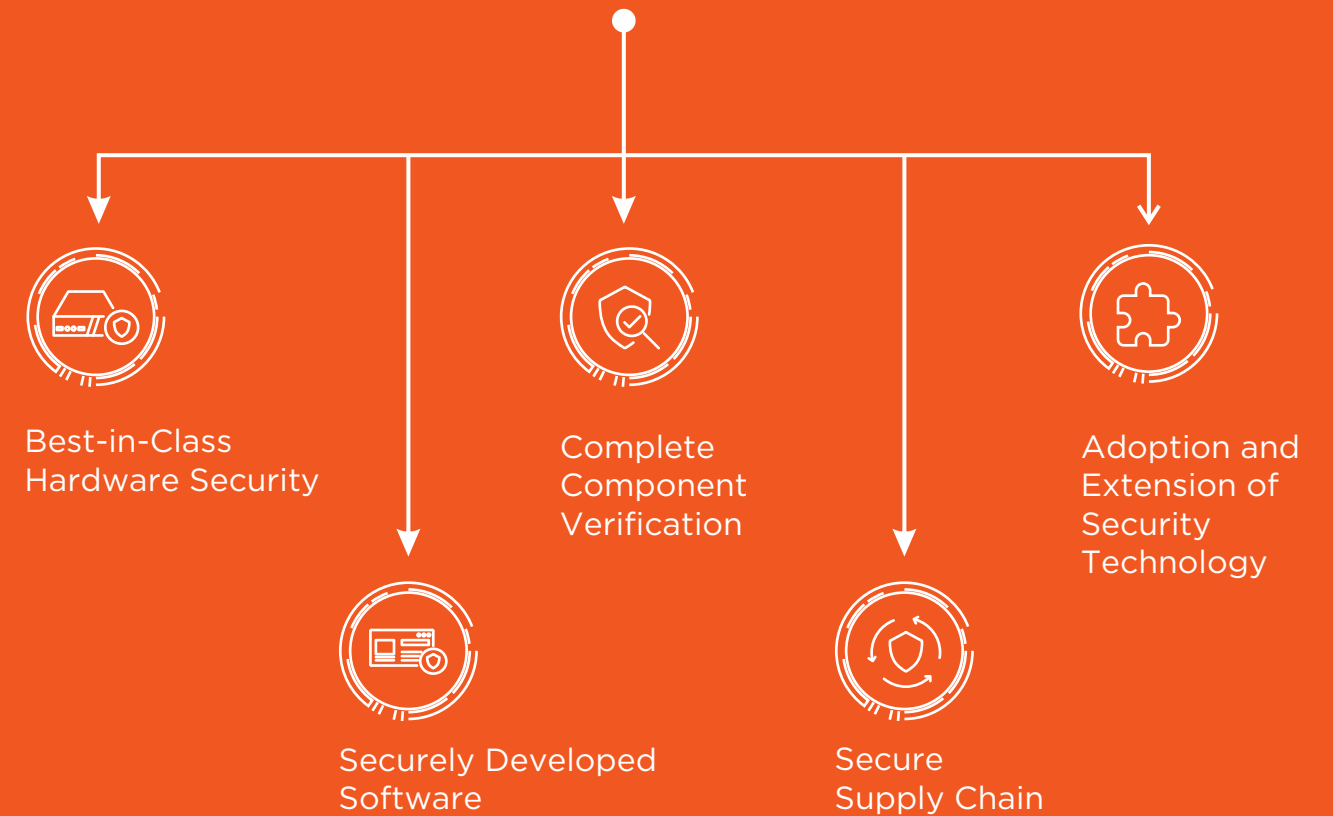
Assuming that some type of data isn't valuable

If you think you're secure when you protect your network perimeter, you're going to fall short. Today, adversaries are finding ways to penetrate the network and execute codes at the system's endpoints. If you're only looking at the perimeter, an adversary - once inside - can operate freely without threat of detection.

Don't approach security as just another IT issue. Everyone at the company owns the data and has a responsibility to protect the company's core assets.

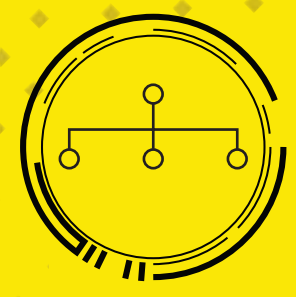
Lenovo – Your First Choice for Security

Lenovo has a rich legacy of over three decades of delivering powerful, cutting edge IT products, solutions, and services to consumers, small and medium businesses, and enterprise clients across the world. Backed by deep expertise and supported by a global network of trained and certified technical service professionals, Lenovo's philosophy to security is all encompassing.



Lenovo's 360° security strategy is the preferred way to protect your network, your devices, and your data from cyber threats. When you think security, think Lenovo.

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Three Pillars of Lenovo's 360° Security Approach

Lenovo's comprehensive security strategy includes technology solutions built into all devices to protect businesses, networks and users. These security solutions help address security needs from three distinct perspectives:



User Access Control



Port and Physical Protection



Data Protection

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User Access Control

With an increasing number of employees working on the go, the need for IT teams to ramp up security for devices is also growing. IT teams need to monitor and protect their organizations and users against threats such as unauthorized access, ID theft and hacking.

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User Access Control



Multi Factor Authentication

Lenovo's biometric fingerprint recognition ensures simplified access management and robust security. As a leader in multi factor authentication (MFA), Lenovo also offers the following features in its devices:

Match on Chip Fingerprint Reader (MoC FPR)

This is the most secure fingerprint technology on a PC because the biometric credentials are stored on a separate chip, making it almost impossible to hack into.

MFA is further strengthened with **Intel® Authenticate** which gives IT the flexibility to create and deploy customized hardened MFA policies to enforce user identity protection for access to the corporate domain, network, and VPN, and securing data. **Intel® Authenticate** solution provides a simple self-service enrollment tool for end users to quickly get started, eliminating calls to IT.

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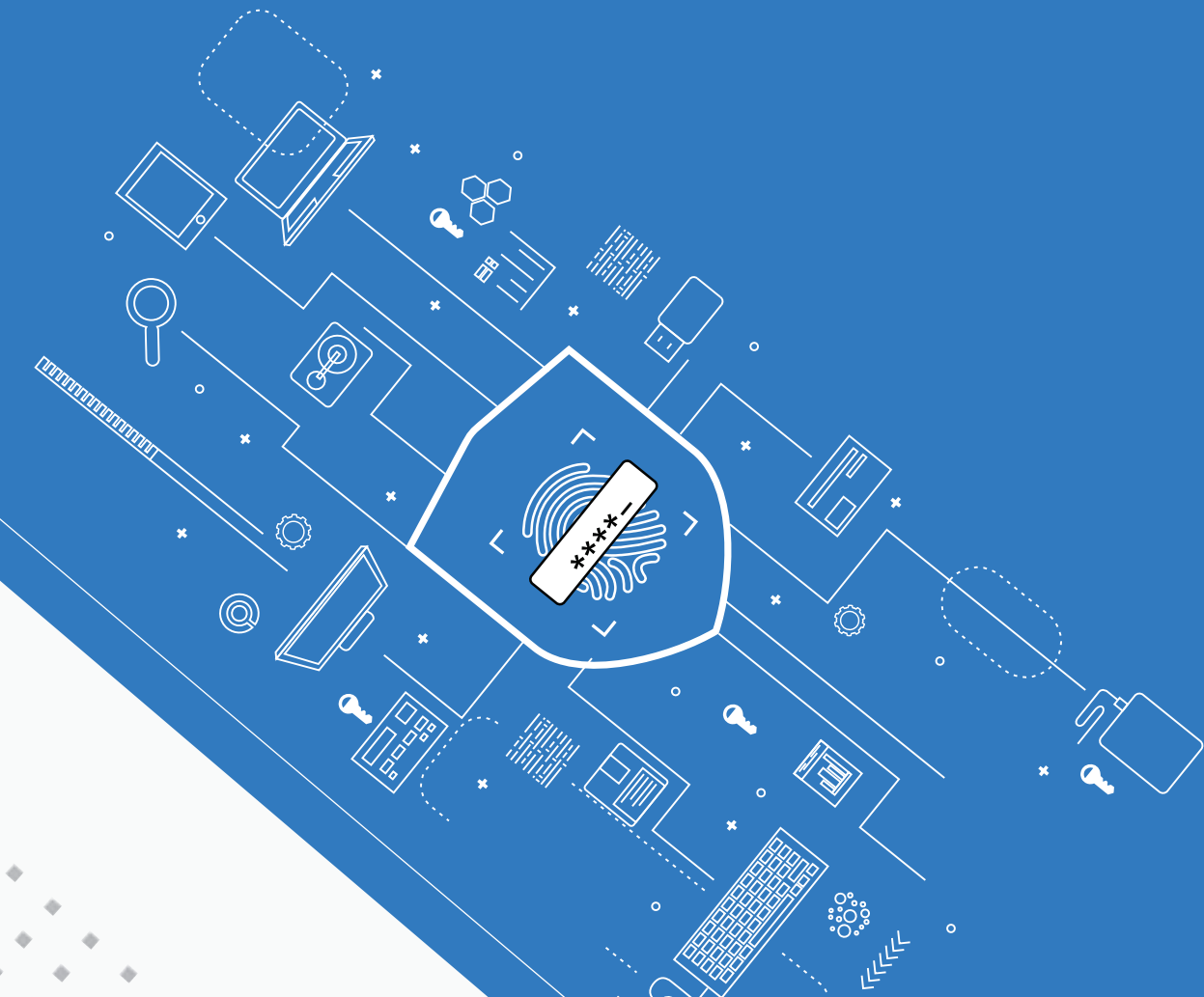
Smart Card Access

A highly secure way of storing login information in tamper-proof cards that can also be used to manage access to multiple devices without using passwords. Smart cards directly implement a two-factor authentication policy, ensuring that devices are averse to threats.



Near Field Communication (NFC)

NFC is a type of radio communication standard, much like Bluetooth, WiFi and other networking technologies. To snag the NFC signal to log in, the user needs to be physically close to the company's PC, with the right NFC tag or secondary device. Without the tag, it is impossible to hack into a device.





Port and Physical Protection

Whether in the office or on the go, end user computing devices need protection not only at the software level but also at a physical level. Built-in port security features help protect against physical theft of data via the USB and other access ports on company PCs.

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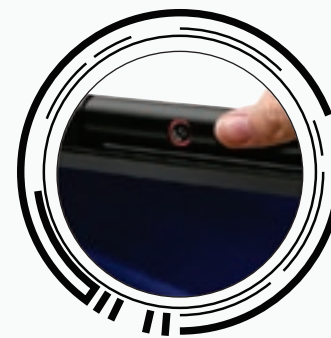


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Smart USB Protection

Blocks the data transfer capability of the USB port but keeps the port functional for input devices like mouse and keyboard.



Camera Shutter

Camera hacking risks can be avoided by physically covering the camera. With the shutter built into the camera, protecting privacy just requires closing the camera shutter - no more worries about anyone eyeing the user.



Chassis Lock

A lock and key mechanism that prevents theft of components like hard drives and graphics cards.



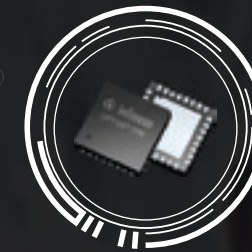
Data Protection

Implementing strong data encryption tools and technology enables easy and efficient data recovery and retrieval only by authorized personnel, in the case of data loss or theft. Secure, automatic, and efficient data backup goes a long way in keeping your business processes running smoothly and without disruption.

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Full Drive Encryption (FDE)

Hard drive encryption prevents unauthorized access to data and sophisticated attacks. The dTPM 2.0 chip encrypts user data on the PC.

- FDE encrypts all data on hard drives, without the use of third party encryption solutions.
- To completely protect data, a hard drive password prevents unauthorized booting and data access; full disk encryption prevents more sophisticated attacks.
- No initial setup or 'enable encryption' is required; in fact, it is not possible to disable encryption on an FDE hard drive.
- The hard drive passwords have no effect on the encryption key. The passwords can safely be changed without risking loss of data.



Data Protection



Online Data Backup (OLDB)

Compared to tape archives, backing up your business data online automatically offers better speed and ease of use.

- OLDB is a simple, automatic and secure cloud backup solution for desktops, laptops and servers.
- It ensures your business critical information is safe and secure.
- Requires no capital expenditures for hardware - low upfront investment with minimal maintenance overhead.
- Total Cost of Ownership savings is more than 30%¹ relative to in-house backup solutions.
- Relative to tape-based approaches, OLDB is more efficient, less intensive for the operator, and less prone to human error.
- Allows backups to be set to run automatically, enabling greater employee compliance.

With **Intel® Remote Secure Erase** for **Intel® Solid State Drives** managed by **Intel® Active Management Technology (Intel® AMT)**, wipe SSD media and delete encryption keys faster and efficiently without having to spend time or money in doing so.

¹Based on internal Lenovo records



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Hard Drive Retention

Lenovo Hard Disk Drive Retention service offers hardware maintenance or maintenance upgrade coverage in an electronic format. If the internal hard disk drive (HDD) or internal solid state drive (SSD) fails during warranty, Hard Disk Drive Retention lets customers keep the old drive to retain sensitive data within the organization.

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Lenovo Solutions

The Lenovo ThinkPad X1 Series comes with a built-in set of technologies that prevents unauthorized access to the company PCs. It involves a powerful combination of biometric and secondary identification that provides unprecedented security.

Series Differentiators

- Multi factor authentication powered by **Intel® Authenticate**
- Remote data wipe powered by **Intel® AMT**
- ThinkShutter camera to ensure privacy



ThinkPad X1 Carbon

For the road warriors who get the job done wherever life takes them, the ultralight and ultrathin X1 Carbon is an essential equipment. It comes with premium integrated security features like **facial recognition and fingerprint reader** to protect and keep out unwanted users.



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ThinkPad X1 Yoga

Built for the agile worker, the ThinkPad X1 Yoga allows users to work in the mode that best suits them and their environment. They can leave their security worries behind with the **ThinkShutter camera cover** while data privacy is ensured with a secure login using the integrated **fingerprint reader and facial recognition features**.



ThinkPad X1 Tablet

For workers on the go, the X1 Tablet is the most nimble device they can ask for. Whether brainstorming or moving from meeting to meeting, ideas will always stay secure with the **touch fingerprint reader and optional IR camera with facial recognition**.

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Lenovo Solutions

Combining security and productivity features with a simple design, powerful technology, and long battery life, **V Series laptops** are perfect for business owners and frequent business travelers.

Series Differentiators

- Ensure privacy with built in camera shutter
- Access control with touch type fingerprint reader
- Restrict unauthorized access with discrete TPM chip



Lenovo V330

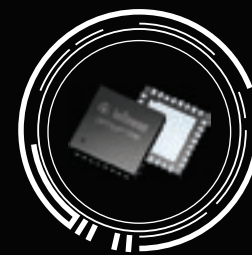
Multitasking workers – no matter where work takes them – are at their productive best with the V330. **They never need to worry about security again**, thanks to the touch type fingerprint reader* and privacy camera cover.

*Optional

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Lenovo V730

Whether work takes an employee down the road or across the globe, the V730 keeps business travel light. And data **security is never a worry with discrete TPM 2.0 security and touch type fingerprint reader***.

*Optional


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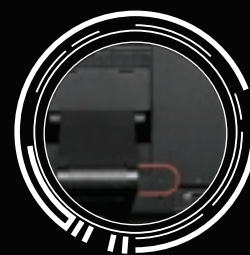
A range of security features are available on **Lenovo ThinkCentre Series** to protect against theft of data from the **USB and other access** ports on company PCs, while also preventing unauthorized physical movement of devices.

Series Differentiators

- Restrict port access with smart USB protection
- Lock device physically with chassis lock
- Prevent hacking with Trusted Platform Module

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ThinkCentre Series

ThinkCentre desktops come with a range of USB ports to suit any individual's productivity needs. While it can support multiple devices, it is susceptible to physical theft of the desktop and components. The **ThinkCentre can be secured with a chassis lock** to ensure there is no unauthorized physical movement of the device or its components.



Lenovo Solutions

Simple, Powerful and Secure, Lenovo V Series desktops offer features that make them a top choice for growing businesses that rely on performance and productivity.

Series Differentiators

- Restrict port access with smart USB protection
- Lock device physically with chassis lock
- Prevent hacking with Trusted Platform Module



Lenovo V Series Desktops

V Series desktops are built to ensure security. They have smart USB ports that prevent data theft and the entry of malicious software. Access to the cover and chassis can also be restricted using a padlock and prevent hard drive access and theft of components.

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ABSOLUTE®

The Lost & Found service of Lenovo Absolute combines software from Absolute and security tools from Lenovo with additional alerts that make it easy to return missing PCs to their registered owners. Absolute's software tracks the stolen computer and provides local police with the information they need to trace it.

MobileIron

The global strategic partnership of MobileIron enterprise mobility management platform and Lenovo ensure secure provisioning and simplifies management of the endpoint devices. The features of MobileIron includes:



One platform
to secure devices



75% faster to provision settings
and secure devices



Endpoint, network,
app and cloud security

Conclusion

Serious security threats are everywhere In this mobile data driven world, stolen devices, data theft, ransomware, software vulnerabilities, cloud hacks – the list keeps on increasing every day.

Lenovo's 360 security strategy assists you to adopt cutting-edge security features built into the entire range of Lenovo products and solutions.

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5 reasons why Lenovo is a difference maker



Trusted around the world



Expertise across categories



Choose Lenovo with confidence



Business-boosting technology



Flexible support network



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