ThinkShield

A HACKER'S PLAYGROUND: SECURING THE INTERNET OF THINGS

The Internet of Things is undergoing explosive growth across industries. But new technology creates new security challenges. Explore below to see how ThinkShield is helping to secure the IoT.

STATE OF THE IOT

127
New devices connected each second[1]

20 BILLION
IoT devices in use by 2020[2]

65%
of business using IoT devices by 2020[3]

5 MINUTES
Average time before a new IoT device is attacked[4]

$2M
Potential cost of suffering a DDoS attack[6]

215%
Increase in IoT malware attacks in 2018[5]

TRANSFORMING INDUSTRY

retail
The future of retail is built on the IoT, with cameras and RFID scanners replacing cashiers.

manufacturing
Sensors, robotics, and inventory tracking are driving new manufacturing efficiencies.

healthcare
Portable, connected treatment requires a new generation of smart and privacy-protecting medical devices.

public sector
Large utilities and other public services use thousands of sensors, cameras, and other quality assurance devices.

NEW CONNECTIONS

sensors
Connected sensors monitor everything from crop fields to manufacturing lines.

security
Security cameras, window sensors, and other connected security equipment are often targeted.

smart workplace
Workplaces are now full of new connected devices, from video conferencing systems to connected locks and security.

environments
Everything from thermostats and lightbulbs to smart assistants often lack proper security.

LENOVO THINKCENTRE NANO & NANO IoT

ThinkCentre Nano and Nano IoT protect IoT objects against intrusion while also providing an easy platform for device management via ThinkShield. They sit between smart objects and networks, securing data and providing processing power at the edge.
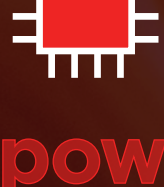
simply secure
Nano & Nano IoT bring ThinkShield security to IoT devices.

extended connectivity
Expandable I/O for connecting a wide range of both legacy and next-gen devices.

powerful & versatile
Featuring Windows 10 IoT and 8th Gen Intel Processors (vPro-enabled for Nano only).

cloud certified
4G LTE enabled and certified for Windows 10 IoT Enterprise, Microsoft Azure IoT Edge, and Ubuntu.

ThinkShield is Lenovo's portfolio of secure Think devices, software, and services—fully customizable to keep your business ahead of dangerous breaches. Get the most comprehensive protection with a modern Windows 10 Pro device powered by the Intel® vPro™ platform.

1. Forbes: Introducing the Wireless Cow
   https://www.forbes.com/sites/danielnewman/2015/06/internet-of-things-growth-challenges
2. Gartner Newsroom
   https://www.gartner.com/en/newsroom/press-releases/2017-02-07-gartner-says-8-billion-connected-things-will-be-in-use-in-2017-up-31-percent-from-2016
3. Gartner Leading the IoT
   https://www.gartner.com/imagesrv/books/iot/iotEbook_digital.pdf
4. NetScout 2018 H2 Threat Intelligence Report
   https://www.netscout.com/sites/default/files/2019-02/SECR_001_EN-1901%20-%20NETSCOUT%20Threat%20Intelligence%20Report%20SH%202018B.pdf
5. 2019 SonicWall Cyber Threat Report
   https://www.sonicwall.com/lp/2019-cyber-threat-report-lp/
6. NetScout 2018 H1 Threat Intelligence Report
   https://www.netscout.com/threat-report

intel® vPro™ Platform | Windows 10

Smarter technology for all

Lenovo

Learn more at **www.lenovo.com/ThinkShield**.