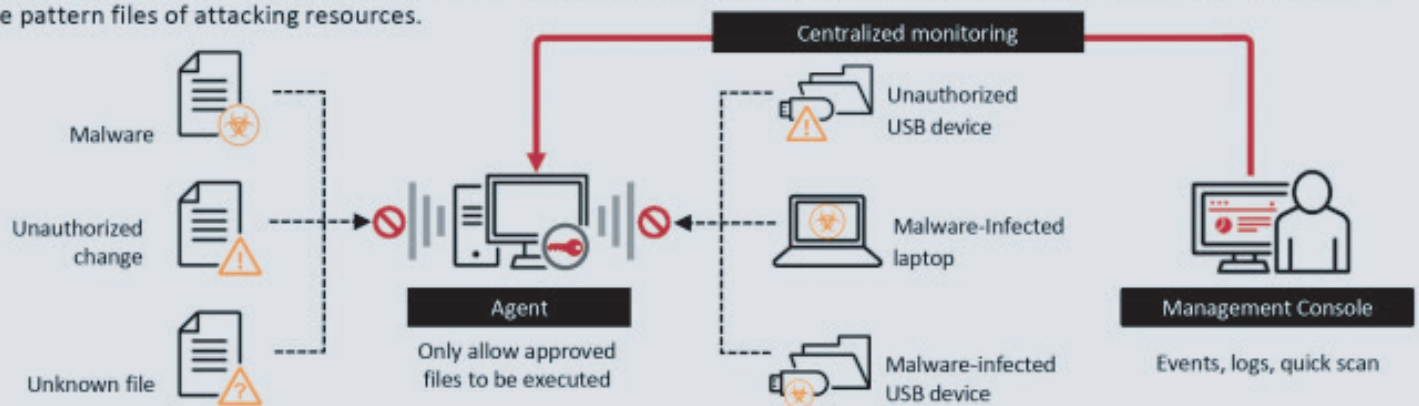


System Lockdown Software for Mission-Critical Devices

Organizations today such as factories, health care, and utility companies are faced with a growing number of cyber threats to their industrial control systems (ICS), Industrial IoT devices, and embedded devices used in daily operations. Systems that rely on components using older operating systems are especially vulnerable, as they are likely not up-to-date on security patches and contain vulnerabilities attackers can exploit.

Taking advantage of “Lockdown” by controlling system resources, access and limiting execution of applications only to those that are necessary for daily operations, could extremely prevent the intrusion and execution of malware without relying on the pattern files of attacking resources.



Benefits

Lockdown 4 in 1

- Operation Lockdown, USB Device Lockdown, Data Lockdown and Configuration Lockdown secure operational integrity while efficiently reducing the chance of downtime and cost of resilience.
- Flexibility to fit into your daily operations

Minimal Performance Impact

- The core framework of Trend Micro Safe Lock TXOne Edition™ protects systems by allowing only pre-registered applications and services to execute, results in a negligible impact on system performance compared to traditional cybersecurity software which requires an Internet connection, periodic updates, and regular malware scans.

Security Solution for Industrial Environment

- TXOne Edition is specifically designed for critical industrial environment, and optimizes the operational efficiency for mass deployment and maintenance in large factory, while reducing the chance of downtime and operational cost.

Easy Deployment and Maintenance

- All files that are allowed to execute on the terminal are automatically collected and registered to the approved list after installation.
- Approved list will also be auto-updated for runtime operations during maintenance to minimize downtime for patching or maintenance

Protect legacy operating system

- Specially support the EOS windows such as Windows XP/2000.

Secure Mission-Critical Devices

- Supervisory Control and Data Acquisition (SCADA)
- Human Machine Interface (HMI)
- Engineering Workstations (EWS)
- PC-based controller
- Database server
- Fixed-function devices
- Industrial IoT devices

Key Features

Agent

- Application whitelisting
- USB device whitelisting
- Maintenance mode
- Write protection
- Integrity monitoring
- File-less attack prevention
- Exploit protection
- Approved list management
- Pre-scan (malware inspection during install)
- Role based administration

Management Console (Intelligent Manager)

- Centralized monitoring
- Notification
- Account management
- Quick scan (Scans files blocked by the Agent)
- Root cause analysis
- Syslog forwarding
- Remote addition of trusted application

Trend Micro Safe Lock™ TXOne Edition System Requirements

Trend Micro Safe Lock™ Agent

	Client OS	Server OS
OS	Windows 2000 (SP4) [Professional] (32bit) Windows XP (SP1/SP2/SP3) [Professional] (32bit) Windows Vista (No SP/SP1/SP2) [Business / Enterprise / Ultimate] (32bit) Windows 7 (No SP/SP1) [Professional / Enterprise / Ultimate] (32/64bit) Windows 8 (No SP) [Pro/Enterprise] (32/64bit) Windows 8.1 (No SP) [Pro/Enterprise/with Bing] (32/64bit) Windows 10 (RS1/RS2/RS3/RS4/RS5) [Pro/Enterprise/IoT Enterprise] (32/64bit) Windows XP Embedded (SP1/SP2) (32bit) Windows Embedded Standard 2009 (No SP) (32bit) Windows Embedded Standard 7 (No SP/SP1) (32/64bit) Windows Embedded 8 Standard (No SP) (32/64bit) Windows Embedded 8.1 [Pro/Industry Pro](No SP) (32/64bit) Windows XP Professional for Embedded Systems (SP1/SP2/SP3) (32bit) Windows Vista for Embedded Systems (No SP/SP1/SP2) (32bit) Windows 7 for Embedded Systems (No SP/SP1) (32/64bit) Windows Embedded POSReady (32bit) Windows Embedded POSReady 2009 (32bit) Windows Embedded POSReady 7 (32/64bit)	Windows 2000 Server (SP4) (32bit) Windows Server 2003 (SP1/SP2) [Standard / Enterprise / Storage] (32bit) Windows Server 2003 R2 (No SP/SP2) [Standard / Enterprise / Storage] (32bit) Windows Server 2008 (SP1/SP2) [Standard / Enterprise / Storage] (32/64bit) Windows Server 2008 R2 (No SP/SP1) [Standard / Enterprise / Storage] (64bit) Windows Server 2012 (No SP) [Essentials/Standard] (64bit) Windows Server 2012 R2 (No SP) [Essentials/Standard] (64bit) Windows Server 2003 for Embedded Systems (SP1/SP2) (32bit) Windows Server 2003 R2 for Embedded Systems (No SP/SP2) (32bit) Windows Server 2008 for Embedded Systems (SP1/SP2) (32/64bit) Windows Server 2008 R2 for Embedded Systems (No SP/SP1) (64bit) Windows Server 2012 for Embedded Systems (No SP) (64bit) Windows Server 2012 R2 for Embedded Systems (No SP) (64bit) Windows Server 2016 (No SP) [Standard] (64bit) Windows Storage Server 2016 (64bit)
CPU	Conforms with minimum OS system requirements	
Memory	Conforms with minimum OS system requirements	
Free Disk Space	300 MB or more	
Display Resolution	VGA (640x480) or more, 16 colors or more	

Trend Micro Safe Lock™ Intelligent Manager

OS	Windows 7 (No SP/SP1) [Enterprise / Ultimate] (32/64bit) Windows 8 (No SP) [Pro / Enterprise] (32/64bit) Windows 8.1 (No SP) [Pro / Enterprise] (32/64bit) Windows 10 (RS1/RS2) [Enterprise / IoT Enterprise] (32/64bit) Windows Server 2008 (SP1/SP2) [Standard / Enterprise / Storage] (32/64bit) Windows Server 2008 R2 (No SP/SP1) [Standard / Enterprise / Storage] (64bit) Windows Server 2012 (No SP) [Foundation / Essentials / Standard / Datacenter] (64bit) Windows Server 2012 R2 (No SP) [Foundation / Essentials / Standard / Datacenter] (64bit) Windows Server 2012 R2 for Embedded Systems (No SP) (64bit) Windows Server 2016 (No SP) [Standard] (64bit) Windows Storage Server 2016 (64bit)
Database Server	Microsoft SQL Server 2008 or later*1
Browser	Microsoft Internet Explorer 9.0, 10.0, 11.0 Latest version of Google Chrome or Google Chrome Portable Microsoft Edge Mozilla Firefox 6 or later
Other Components	Microsoft Internet Information Services (IIS) 7.0 or later*2 Microsoft .NET Framework 2.0 SP2 or later*2

*1 Microsoft SQL Server 2008 Express can be installed when installing the management console.

*2 Different version is required according to the environment. Please refer to the system requirements listed on the product web page for details.