kaspersky BRING ON THE FUTURE

Kaspersky® Embedded Systems Security

Powerful protection for ticket vending machines and POS terminals running Windows® OS

Ticket vending machines, electronic kiosks and other point of sale (POS) devices are at a particularly high risk of cyberattack. Hackers target these devices because they usually run on the obsolete Windows XP OS, are geographically scatted and rarely updated, sit inside an internal network and handle financial transactions. They present a classic entry point for targeted attacks in particular.

The nature and vast global distribution of these devices means that they affect businesses of every size, everywhere, and as embedded systems get smarter and smaller, and become even more widespread, the attack surface increases…

Cybercriminals use malware and other threats to infect vending machines and POS systems, and steal payment card information and personal data. They can also block these devices, causing problems for users and businesses. As targets of choice for cybercriminals, these devices need the highest levels of protection, but as the WannaCry outbreak highlighted, traditional forms of protection - anti-malware only, or application/device control only - are not enough to secure them. This is why we developed Kaspersky Embedded Systems Security.

Featuring powerful threat intelligence, real-time malware detection, comprehensive application and device controls and flexible management, Kaspersky Embedded Systems Security is all-in-one security designed specifically for embedded systems.

Eicient design even for low-end hardware
Kaspersky Embedded Systems Security has been built speci cally to operate e ectively even on low-end hardware. The e icient design delivers powerful security with no risk of systems overload. Requirements start from only 256MB RAM for the Windows XP family, with around 50MB space required on the system hard drive when operating in 'Default Deny only' mode.

Protection against the latest threats

Kaspersky Embedded Systems Security delivers multiple layers of essential security technologies (including application and device control, antimalware and network protection) to protect embedded systems from the latest threats.

Optimized for Windows XP

Most embedded systems still run on the now-unsupported Windows® XP OS. Kaspersky Embedded Systems Security has been optimized to run with full functionally on the Windows XP platform as well as on the Windows 7, Windows 8 and Windows 10 families. Kaspersky Embedded Systems Security is committed to providing 100% support for the Windows XP family for the foreseeable future, allowing enough time to gradually upgrade.

Flexible Management

Kaspersky Embedded Systems Security can be managed from the command line, the local GUI or the centralized policy-based management of Kaspersky Security Center.

Security policies, signature updates, antimalware scans and results collection are easily managed through a single centralized management console – Kaspersky Security Center. In addition, clients in a local network can be managed through any local console – particularly useful when working in the isolated, segmented networks typical of embedded systems.

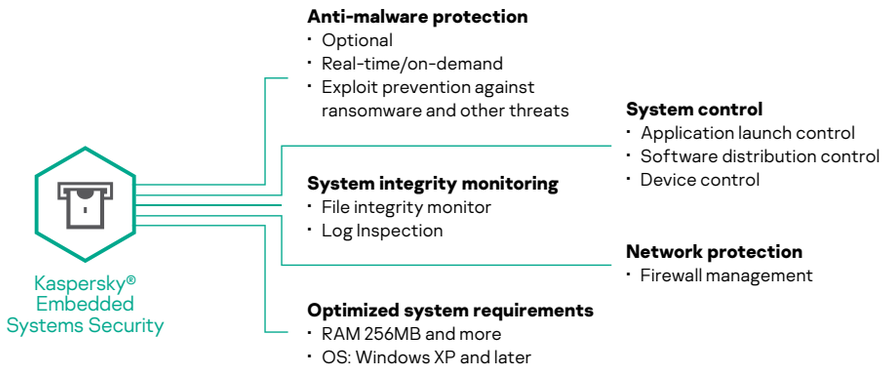
Licensing Options

Kaspersky Embedded Systems Security is available in two types of commercial licenses:

- Kaspersky Embedded Systems Security standard
- Kaspersky Embedded Systems Security
- Compliance Edition, an extended license that includes File Integrity Monitor and Log Inspection.

Kaspersky Embedded Systems Security

Kaspersky Lab Embedded Systems Security has been speci cally designed for organizations operating embedded systems, and the threat environment they operate in. It protects the attack surfaces unique to these architectures, re ecting their unique functionality and OS, channel and hardware requirements, while fully supporting the Windows XP family.



Anti-Malware and Memory Protection

Proven cloud-assisted protection from the industry's leading antivirus engine, capable of detecting even the most aggressive attacks.

Application and Device Controls

The basis of e ective protection for embedded systems, where everything (apps drivers, libraries, USB drives) not explicitly permitted is blocked.

File Integrity Monitoring

File Integrity Monitoring tracks actions performed on speci ed les and folders within scope. You can also con gure le changes to be tracked during periods when monitoring is interrupted.

Log Inspection

Kaspersky Embedded Systems Security monitors possible protection violations based on inspecting Windows Event Logs. The application noti es the administrator when it detects abnormal behavior that may indicate an attempted cyberattack.
Windows Firewall Management
Windows Firewall can be con gured directly from Kaspersky Security Center, giving you the convenience of local rewall management through a single uni ed console. This is essential when embedded systems are not in domain and Windows rewall settings can't be con gured centrally.

SIEM Integration

Kaspersky Embedded Systems Security can convert events in application logs into formats supported by the syslog server, so these can be transmitted to, and successfully recognized by, all SIEM systems. Events can be exported directly from Kaspersky Embedded System Security to SIEM or centrally via Kaspersky Security Center.

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Proven.
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