



Kaspersky® Embedded Systems Security

Powerful protection for medical equipment running Windows® OS

Hospitals around the world have thousands of Internet-enabled devices connected to their networks, covering almost every aspect of patient care, from medical records to pacemaker implants. Medical equipment must be fault-tolerant, stable and available 24/7, yet these devices face risks associated with being part of the corporate network, as well as those unique to the embedded systems which they're based on. Significantly, many medical devices still run old operating systems on old hardware, and vulnerabilities in legacy technology attract cybercriminals who use these outdated, unpatched devices to gain access to devices and systems.

The healthcare industry currently experiences more ransomware attacks than any other sector. These types of attack are growing rapidly, and are predicted to continue doing so in the coming years. At the same time, the number of networked devices is increasing too. More devices means more attack vectors – and old devices can't be effectively secured with outmoded protection.

A purely antivirus or purely application control approach is not enough to deal with threats to embedded systems. In situations where stability and continuity can be literally a matter of life or death, only multi-layered protection that has been specifically designed to address these unique challenges can deliver reliable, effective protection.

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.

Efficient design even for low-end hardware

Kaspersky Embedded Systems Security has been built specifically to operate effectively even on low-end hardware. The efficient 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 functionality 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, anti-malware 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.

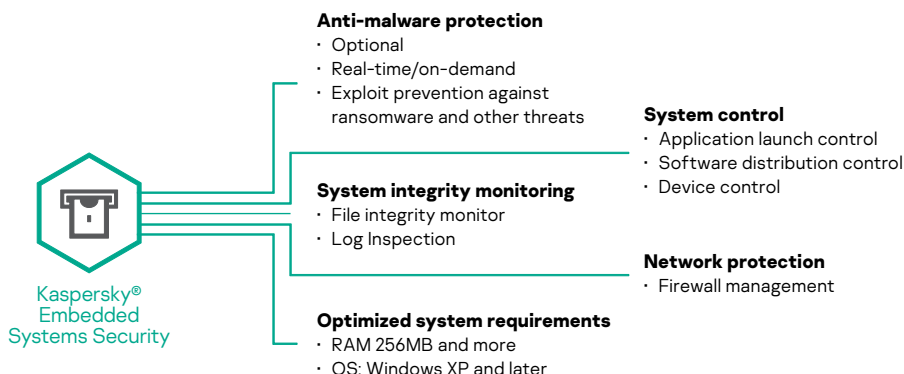
Licensing Options

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 specifically designed for organizations operating embedded systems, and the threat environment they operate in. It protects the attack surfaces unique to these architectures, reflecting 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 effective 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 specified files and folders within scope. You can also configure file 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 notifies the administrator when it detects abnormal behavior that may indicate an attempted cyberattack.

Windows Firewall Management

Windows Firewall can be configured directly from Kaspersky Security Center, giving you the convenience of local firewall management through a single unified console. This is essential when embedded systems are not in domain and Windows firewall settings can't be configured 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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