![gemalto](gemalto logo) **gemalto**
security to be free

Sentinel® LDK

Out-of-the box software protection, licensing and entitlement management solution.

> Sentinel LDK delivers a comprehensive, out-of-the-box software monetization solution that enables you to protect your software, maximize revenues, simplify operational processe and enhance the end-user experience. Sentinel LDK includes a wide range of out-of-the-box licensing and entitlement management features.

Powerful Security and Protection

Sentinel LDK protects your intellectual property and enables you to generate revenue from your products.

> **Protect Intellectual Property:** Protect your expertise and know-how against reverse engineering and IP theft.

> **Ensure Copy Protection:** Prevent reproduction, distribution and unauthorized use of your licenses and product features.

> **Secure Your Licenses:** Achieve high-level license security utilizing the most advanced obfuscation and cryptographic methodologies.

Full Range of Licensing Models

Gemalto enables you to deploy any type of licensing model to cover all your business needs, now and in the future. Sentinel LDK supports perpetual and subscription licenses, payper- use, time based licensing, feature usage and network licenses to support users working in virtual environments.

Built-in Entitlement Management

Sentinel LDK features a wide range of ready-to-use entitlement management features. With Sentinel LDK you can ensure compliance to license usage terms, track delivery and activation status, and get notifications for trial expiration or renewal of subscriptions. Sentinel LDK supports the entire licensing lifecycle for all your products and enabes you to activate, modify, and update entitlements or rehost to a different machine or user.

The automation of licensing and entitlement management on a single platform enables you to minimize time-consuming manual data entry, eliminate errors, and reduce fulfillment costs.

Our Value Proposition

See what you get from Sentinel LDK, the most robust and feature-rich licensing and entitlement management platform available on the market.

> **Prevent IP Theft:** Protect your expertise and knowhow against reverse engineering and IP theft.

> **Reduce Revenue Loss:** Prevent reproduction, distribution and unauthorized use of your licenses and products. When you protect your products with Sentinel LDK you get paid for every software copy in use by any user on any device.

> **Adapt to Market Needs:** Create any type of business model including enterprise-grade licensing for both new and existing customers.

> **Focus On Your Core Business:** Utilize a professional, purpose built solution and eliminate the development effort and maintenance of a homegrown licensing solution.

Flexible Packaging

With Sentinel LDK you can customize product packages and licensing models to meet customer needs and adapt to evolving market trends.

> **Product Packaging:** Build new product packages quickly and easily, without additional engineering efforts.

> **Licensing Models:** Deploy popular and custom licensing models including trial, subscription, perpetual, seatbased and per-use licensing.

> **Catalog Management:** Define a feature-based product catalog to ensure efficient product distribution and tracking.

The Sentinel licensing methodology separates business and engineering processes to reduce development effort and ensure fast-time-to-market delivery.

Licensing Enforcement Methods

Sentinel LDK supports hardware keys, software licensing and cloud licensing or any combination of enforcement method.

> **Hardware Licensing:** Offers the highest level of copy and IP protection available by allowing access and execution of the application only when the hardware key is physically connected to a device or computer.

> **Software Licensing:** Software keys reside in the secure storage of the end-user machine. The use of software licenses eliminates the need to ship a physical product and enables end users to quickly install and start using the application.

> **Cloud Licensing:** Integration of Sentinel Cloud into your software products enables users to access your software from any device or virtual machine. This protection type is ideal for software publishers who need automatic and immediate license enablement, improved usage-tracking and post-pay business model services.

Sentinel Multi-Layer Protection

The Sentinel LDK Envelope provides multi-layer protection to safeguard your products and data. The Sentinel LDK Envelope is based on award-winning technology and is in use by thousands of software publishers and device manufacturers worldwide.

Sentinel LDK Envelope: How It Works!

Sentinel LDK Envelope includes five layers of protection to deliver the most robust solution available in the market.

> **Executable Encryption:** Encryption of runtime binary files to prevent re-engineering.

> **Code Obfuscation:** Altering of expressions to make code difficult to understand by humans and conceal its actual purpose.

> **Whitebox Cryptography:** Protection of cryptographic keys from extraction when they are under the control of a hacker.

> **Data File Protection:** Translation of code ("plain text") into encrypted data ("cipher text") to prevent code tampering and modification.

> **Anti-Debugging:** Prevents analysis of software processes and reverse engineering of code.

About Gemalto Software Monetization

The Sentinel portfolio of software monetization solutions enables our customers to drive business growth and extract the most value out of their products. With over 30 years experience and 10,000+ customers in 32 industries, the Sentinel brand is recognized as the market leader in security, protection, licensing, usage and entitlement management solutions.

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