

secure digital
identity for
mobile devices

SplitKey

CYBERNETICA

The SplitKey Authentication and Digital Signature Platform is a next-generation digital identity technology. The platform turns end-user smartphones and tablets into secure authentication devices, equipping online service providers with a reliable and secure end-user access management tool. The platform also enables end-users to digitally sign documents in accordance with European Union regulations (eIDAS), with legally binding signatures of equal status to the hand-written equivalent.

Key benefits:

- **Expands online offerings** — SplitKey replaces the need to have citizens or customers sign documents or prove identities in person or by mail thanks to strong online authentication
- **Security** — SplitKey provides a level of security and assurance (EAL4+) equal to that of hardware tokens such as smart cards and SIM cards
- **Doesn't rely on a single device** — as a threshold cryptography-based solution, SplitKey shares the responsibility of protecting private keys between multiple devices, meaning limited reliance on the end-user's device security
- **Encryption** — SplitKey uses proven cryptographic concepts in a unique way, which has been heavily evaluated and tested, and proven to be effective by its successful use in Estonia, Latvia, and Lithuania as the core technology behind Smart-ID (operated by SK ID Solutions), allowing high-assurance access and transactions to take place for hundreds of services from banking to government
- **Ease of rollout** — SplitKey is an efficient and adaptable solution for any governmental or commercial application
- **Operates on iOS and Android devices** with SDKs available for ease of integration with existing solutions

References

The cryptographic concept behind SplitKey has been peer-reviewed, and the service that it enables has gone through extensive evaluation. SplitKey is the core technology behind Smart-ID, which is used by millions of end-users in the Baltics to interact online with a high level of assurance, recognised as equal to strong smart card and SIM card-based authentication and signing technologies.

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