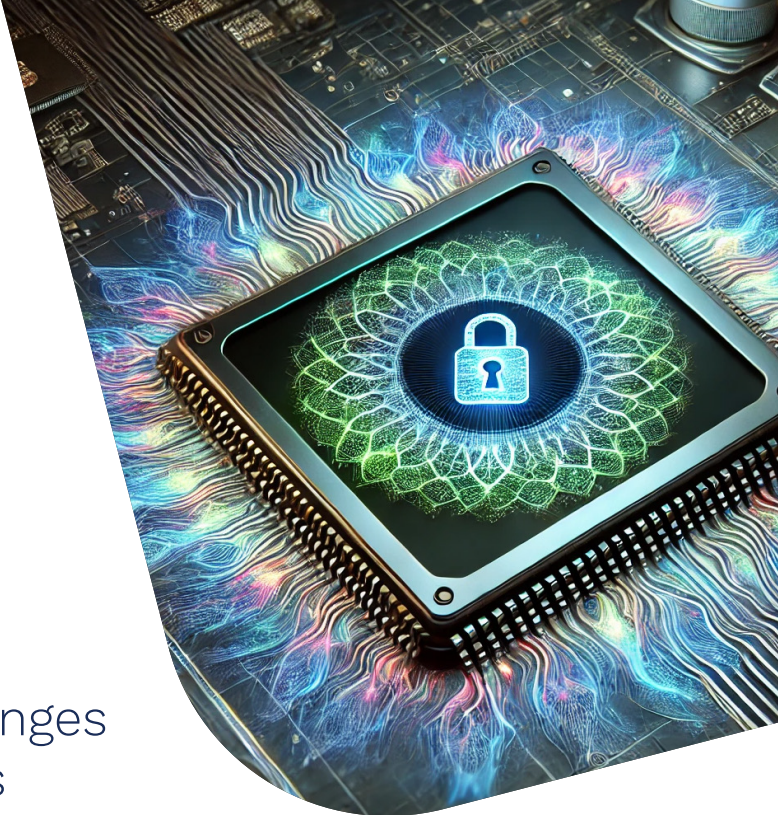




KUDELSKI IoT THINGS PUFsecurity



Revolutionary Chip-to-Cloud Security that Meets the Challenges of Emerging Global Regulations

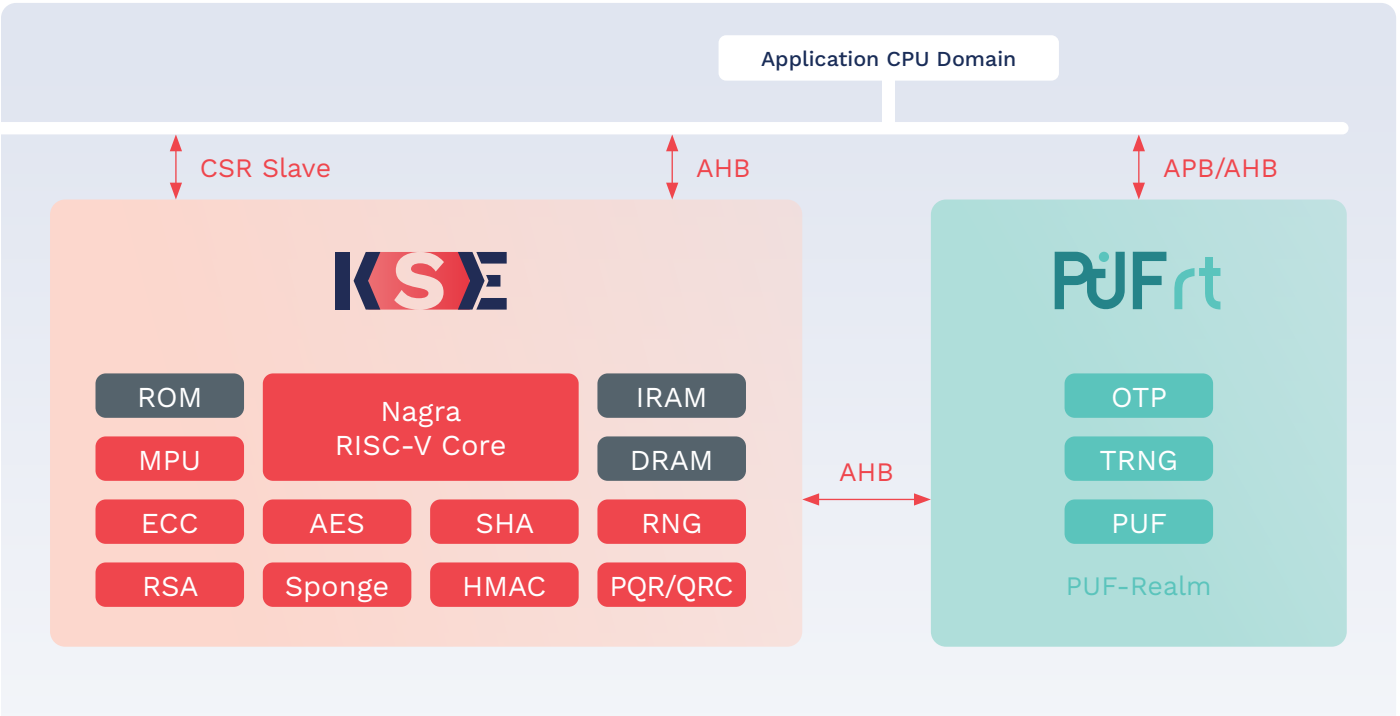
Kudelski IoT and PUFsecurity have developed a common platform designed to deliver advanced security solutions, addressing critical challenges across IoT, industrial, automotive, healthcare, AI, national security, and other highly secure applications. This collaboration combines Kudelski IoT’s deep expertise in silicon security, cryptography, and key management infrastructure with PUFsecurity’s advanced PUF-based technology to establish a robust root of trust.

COLLABORATION

Joint Platform Root of Trust

Kudelski IoT KSE3 is a quantum-resistant, modular, and highly robust security IP that provides hardware-accelerated cryptographic services. It integrates True Random Number Generation as a primary entropy source for the platform and supports a wide range of security services, including secure boot and updates, secure debug, and secure communication.

KSE3 seamlessly interfaces with the PUFrt module via an AHB interface linking to the KSE3’s OTP for secure cryptographic key management.



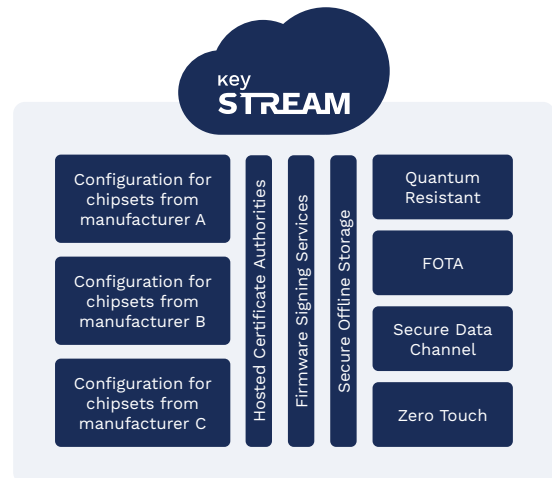
The Comprehensive Security Architecture from hardware to the Cloud

PUFrt leverages natural silicon variations to create a PUF that generates unique device secrets and secures OTP storage. Its hardened TRNG enhances anti-tamper protection while offering flexibility as a secondary entropy source.

Together, PUFrt and KSE3 establish a resilient and secure platform that complies with multiple cybersecurity certifications and frameworks. They mitigate the risks of unauthorized access, tampering, and other malicious activities.

When integrated with keySTREAM, Kudelski's device-to-cloud security framework, the solution extends protection beyond the device, covering its entire lifecycle. keySTREAM leverages PUF-generated identities for secure provisioning, over-the-air updates, and decommissioning, ensuring end-to-end security from manufacturing through end-of-life.

This combined solution delivers robust, lifecycle-long security, enhancing both device asset protection and overall system integrity.



ABOUT KUDELSKI

Kudelski IoT is a global leader in IoT security solutions. With a focus on protecting connected devices and data, Kudelski IoT offers a comprehensive suite of products and services to help organizations secure their IoT deployments.

ABOUT PUFsecurity

PUFsecurity is an emerging leader in cutting-edge security solutions powered by Physical Unclonable Function (PUF) technology. Our unique, hardware-based security is highly resistant to counterfeiting and tampering. PUFsecurity's technology is widely utilized across diverse applications, including IoT, automotive, and consumer electronics.

For more information, visit www.pufsecurity.com or mail to info@pufsecurity.com

