



u.trust Anchor
The Next Generation
Root of Trust Platform

Hardware Security Modules (HSMs) are the foundation of trust in securing the digital transformation and act as the trust anchor for any cryptographic system. HSMs safeguard the security of data, users, applications and help build trust in your ecosystem.

Digital security is dependent on cryptographic keys which are used to protect your data. Ensuring integrity and confidentiality of the cryptographic keys using an HSM is of greatest importance to prevent keys from being stolen or misused. This also includes strict policy enforcement and strong access controls. An HSM is a secure, tamper resistant hardware that stores cryptographic keys and provides cryptographic processing such as encryption, decryption, authentication and digital signing services – it is a purpose-built hardware with strong physical security characteristics, hardened and evaluated firmware, as well as built-in two factor authentication. Even if attackers get remote or even physical access to the HSM, the keys stored inside the HSM remain protected, unextractable and unusable. Traditionally, HSMs come in the form of a standalone plug-in card for deployment inside a server or a standalone network attached appliance.

The most common and traditional use cases of HSMs are **securing PKI root keys, ensure software remains unaltered and authentic with code signing, create and secure identities for IoT applications, protect databases with sensitive information, encrypt payment card transactions, secure card issuance systems, protect blockchain and cloud applications.**



u.trust Anchor CSAR and Se15k/Se40k is available in two form factors – Network Appliance and PCIe card

Due to rapid digital transformation initiatives, new use cases are fast emerging, such as Bring Your Own Key (BYOK) and Double Key Encryption (DKE) to ensure key ownership in the cloud, securing 5G data and keeping you protected in the quantum era. **UTIMACO offers the right HSM to meet different customer demands with varying use cases.**

HSMs are ready for existing and new challenges.

Introducing UTIMACO's u.trust Anchor

u.trust Anchor provides world-class performance and converged cryptographic platform to address various general purpose and payment use cases.



The Digital Transformation is creating a wide range of risks for businesses affecting all industries. u.trust Anchor provides you the all-in-one solution for Payment as well as for General Purpose use cases to eliminate security threats and risks. It enables you to not only address today's challenges, but future proof your business needs.

u.trust Anchor offers you best-in-class performance, enables you to stay ahead of all your security challenges and significantly reduces your total cost of ownership.

Consolidate, simplify and modernize your crypto infrastructure with u.trust Anchor.

UTIMACO u.trust Anchor Se15k/Se40k

The u.trust Anchor Se15k/Se40k product line provides you the best-in-class performance for use cases requiring highest performance and consolidation.

The world runs fast, so why should your HSM be an exception? **u.trust Anchor Se15k/Se40k offers maximum performance** on a single hardware with automatic load-balancing and object synchronization.

Key Features

- Up to 40,000 RSA operations per second
- Scalable and flexible
- Easy integration and compatibility with 3rd party software
- Unlimited key storage
- Hybrid deployments between UTIMACO u.trust Anchor and SecurityServer
- Centralized, remote HSM management and monitoring



UTIMACO u.trust Anchor CSAR

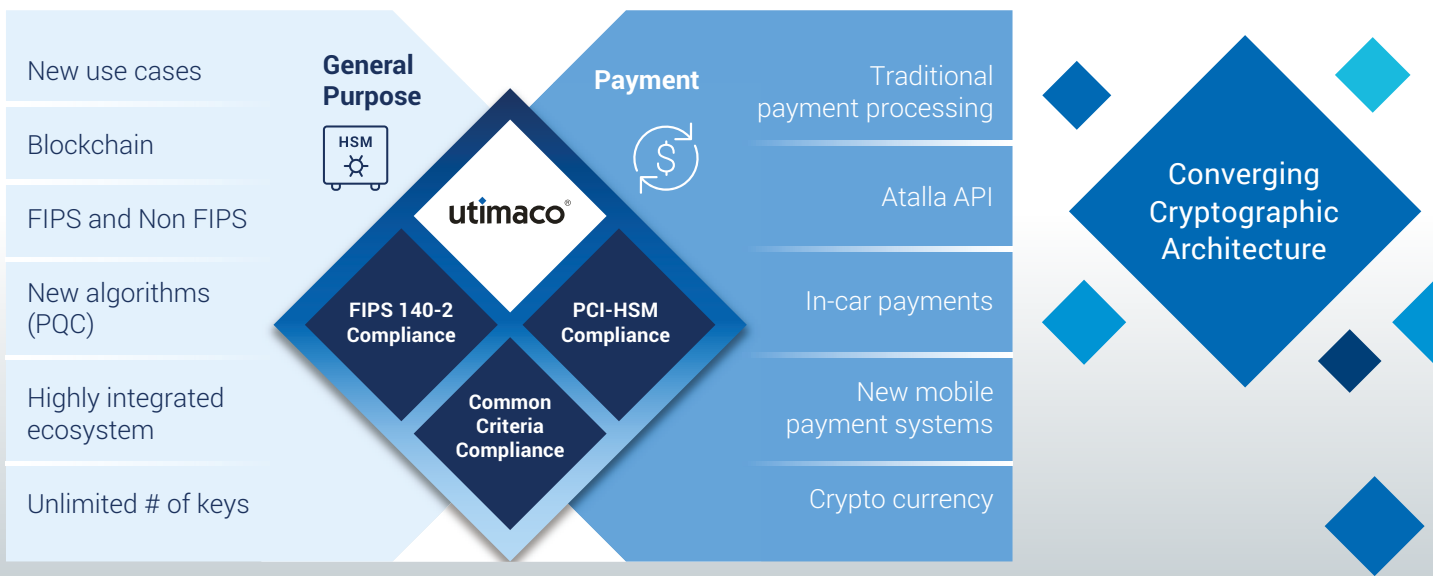
The u.trust Anchor CSAR platform is the world's first converged crypto platform for Payment HSM and General Purpose HSM use cases.

u.trust Anchor CSAR addresses multiple use cases and compliance mandates leveraging the same underlying crypto service platform, enabling cloud service providers and enterprises to offer HSM-as-a-Service. Enterprises can take advantage of the consolidation of their HSM infrastructure on a single platform and through that reducing the total cost of ownership.

u.trust Anchor CSAR can run **multiple firmware stacks** concurrently – while at the same time keeping all stacks completely separated from each other and ensuring true segregation and multi-tenancy. These firmware stacks can address multiple use cases and compliance mandates like PCI compliant payment transaction processing, FIPS compliant general purpose use cases, blockchain applications, authentication and key agreement in mobile networks, post-quantum crypto, and more. Leveraging the same underlying crypto service platform, u.trust Anchor CSAR enables cloud service providers and enterprises to offer HSM-as-a-Service and reduce total cost of ownership by consolidation of their HSM infrastructure on a single platform.

Key Features

- Multi-tenancy with up to 32 truly independent and fully isolated containerized partitions with quality of service
- Convergence of general purpose and payment HSMs
- Deployment of different firmware stacks
- Policy and configuration at the container level for granular control
- Simplified provisioning and control
- Unlimited key storage
- Hybrid deployments between UTIMACO on-premise, u.trust Anchor and SecurityServer
- Centralized remote HSM management and monitoring
- Combining FIPS, PCI-HSM, eIDAS and CC compliance on a single platform
- Monitoring and managing through a single pane of glass



About UTIMACO

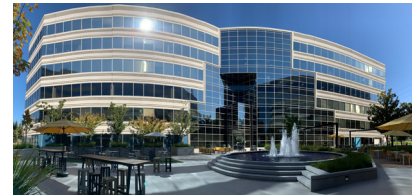
UTIMACO is an international provider of IT security solutions with headquarters in Aachen (Germany) and Campbell, CA (USA).

Utimaco develops hardware security modules and key management solutions as well as compliance solutions for telecommunication providers in the field of regulation. Utimaco is one of the world's leading manufacturers in both of these market segments

UTIMACO's customers and partners value the reliability and long-term investment security of UTIMACO's high-security products and solutions. UTIMACO stands for recognized product quality, user-friendly software, excellent support and products that effectively meet market requirements. Over 350 employees have committed to the company's goal to protect people, identities and data.



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Creating Trust in
the Digital Society

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