

M-Key

Secure, Simple, Supreme

M-Key is a cryptocurrency vault custody system specifically designed for government, banking, and enterprise users. It complies with international standards and effectively addresses the challenges of securely storing cryptocurrency private keys, which are often difficult to safeguard and vulnerable to cyberattacks.



FIDO2 & HSM Dual Security

Combining FIDO2 standards with FIPS-certified HSM technology ensures robust security for authentication and private key protection.

Customizable Multi-Level Approval

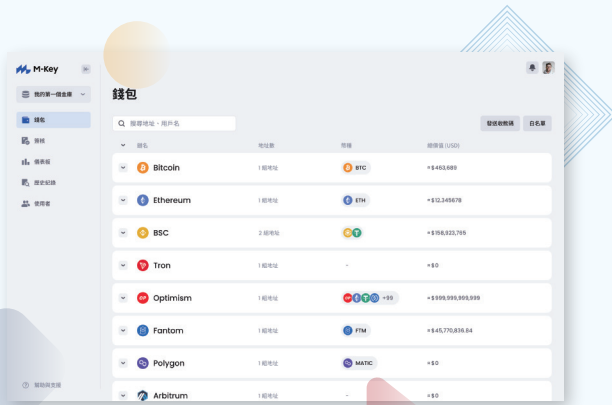
Offers flexible hierarchical configurations and an M-of-N signing mechanism to efficiently and securely support enterprise-grade approval workflows.

Government-Trusted Solution

M-Key is trusted by Taiwanese government agencies and provides safe seizure of virtual assets.

Enhanced Compliance and Transparency

Purpose-built to align with international regulatory and audit standards, ensuring clear and transparent operational workflows for seamless compliance and audit readiness.



“ The system integrates proprietary keyless multi-signature technology, MPC (Multi-Party Computation) technology, and internationally certified HSM (Hardware Security Module) devices. By leveraging FIDO 2 zero-trust identity verification technology, M-Key offers a flexible multi-level approval management system, achieving the highest standards of information security. ”



Enterprise-Grade Cryptocurrency Vault Application



Financial Institutions: Virtual Asset Management and Custody

With the rapid expansion of the cryptocurrency market, government financial regulatory agencies are accelerating the adoption of open banking solutions to facilitate cryptocurrency wallet custody services for enterprises. In this evolving landscape, the M-Key solution integrates FIDO2, Keyless, MPC, and HSM technologies to ensure the security of transaction private keys while providing a multi-tier internal management structure. This comprehensive approach meets the financial sector's stringent requirements for high security, regulatory compliance, and operational efficiency.

Judicial Authorities: Management of Seized Illicit Assets

The increasing number of criminal cases involving cryptocurrencies presents significant challenges for judicial authorities in managing seized virtual assets. The large sums involved create substantial security risks and pressure on law enforcement personnel. M-Key offers a multi-level approval system and whitelist management mechanism, allowing enforcement agencies to flexibly configure permissions based on case requirements, with all operations fully logged. This effectively prevents mismanagement of seized assets or the risk of cold wallet compromise, ensuring both the security and efficiency of case handling.



Quantum-Resistant Encryption

- Protected by Anti-quantum algorithms.
- Patented technology for Instant Key Synthesis.
- Resilient against quantum-attack.



Keyless Security

- Secured by Multi-Party Computation, PQC & AES.
- Fragmented initialization keys.
- Zero hack risk.



Multi-Level Threshold Management

- Multi-signature / m-of-n transaction approval.
- Define specific vault roles.
- FIDO2 & Biometric Authentication, Zero-Knowledge Security.



Trusted by Law Enforcement Agencies & Enterprises

- Chosen by law enforcement agencies.
- Safeguard law enforcement's seized cryptocurrency.
- Top choice for businesses & enterprises.



About BlockChain Security

Founded in 2018, by industry experts with over 17 years in digital forensics, evidence preservation and information security. We noticed the gap of blockchain adaptations and began our mission to combine two core technologies; blockchain and information security.