www.dymarjaya.co.id

DYMAR
Trusted Partner in Data Security Solution

SecurePass E2EE

Prevent Cleartext Password Exposure – Secure Every Transaction

SecurePass E2EE is a proven Software Development Kit (SDK) designed to secure sensitive data in digital applications. It ensures end-to-end encryption (E2EE) from the point of data entry to secure backend processing, preventing cleartext password exposure and unauthorized access.

End-to-end Security

Protect your sensitive data from the moment it's entered until it reaches your backend systems. SecurePass E2EE encrypts PINs, passwords, and confidential information using industry-leading methods.

Built for Digital Transformation

Ideal for digital channels such as mobile banking, internet banking, and smart kiosk – SecurePass E2EE safeguards user authentication and data integrity across all digital touchpoints.

Powered by Global Leader in Data Security

Leveraging industry-recognized solutions like Thales Hardware Security Module (HSM) and CipherTrust Data Security Platform to deliver state-of-the-art protection against advanced cyber threats, including MITM attacks.

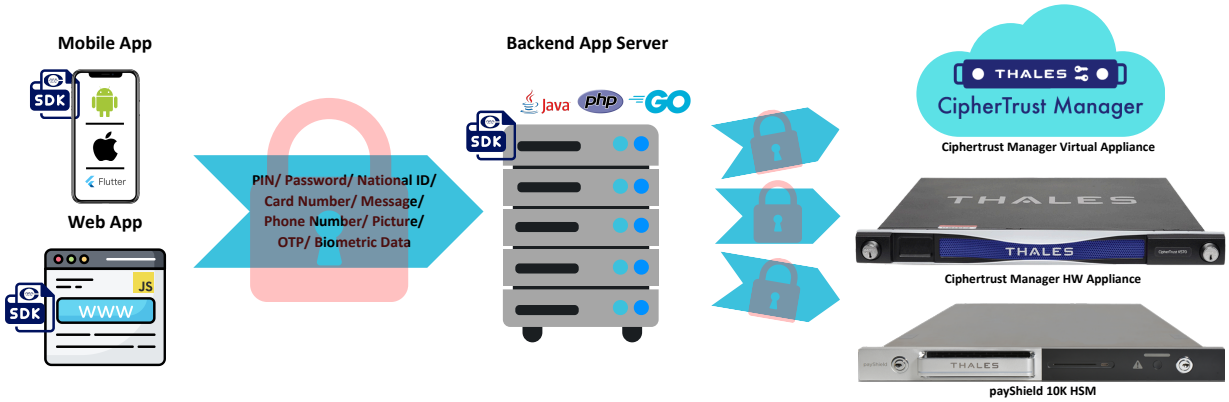
Proven Industry Adoption

Trusted and deployed by leading financial institutions across a broad range of applications, SecurePass E2EE has consistently demonstrated its effectiveness in safeguarding sensitive digital transactions and critical applications.

Key Usages

- **Secure Authentication & Login Protection** – Encrypts PINs and passwords for mobile/web applications, preventing credential theft.
- **Digital Onboarding & Identity Verification** – Protects sensitive data during user registration, including card numbers, PINs, and personal information.
- **PIN & Credential Management** – Secures PIN resets and password changes to prevent unauthorized access.
- **Sensitive Data Encryption** – Ensures confidentiality of customer information, financial details, and personal data entered in digital applications.
- **Transaction & Payment Security** – Protects digital transactions by encrypting sensitive payment details before processing.
- **Regulatory Compliance & Data Privacy** – Helps businesses meet security regulations by enforcing strong encryption on critical user data.

How SecurePass E2EE Works?



Supported Cryptographic Algorithms

- RSA, 3DES, AES, MAC, CMAC, SHA1, SHA2

Application Programming Interfaces (APIs)

Front End

- iOS: Swift, Objective-C
- Android: Kotlin, Java
- Web Browser: JavaScript
- Flutter

Back End

- Java, PHP, Golang, JS, etc

Supporting Functionality

- User-based PIN/Password Generation
- Change & Verify Card PIN
- Change & Verify Password (incl. special characters)
- Message Encryption (AES/3DES)
- CVV Verification (AES/3DES)
- Tokenization (AES)
- Digital Signature (RSA)
- Custom Functionality

Function	payShield 10K HSM	CipherTrust
Verify PIN	1,187 tps*	2,115 tps**
Verify Password	791 tps*	2,115 tps**
Encrypt Message	2,300 tps* (AES 256, Data size 256 bytes)	2,513 tps** AES 256, Data size 522 bytes

*Using Thales payShield 10K 2500cps
**Using vCipherTrust Manager, 16 threads, 4 cores, 16 GB RAM

Contact us for more information

Scan this QR code or visit us at linktr.ee/dymarjaya

PT DYMAR JAYA INDONESIA | Soho Capital @Podomoro City 31st floor, Suite SC 3102-3103 Jl. Let. Jend. S. Parman Kav. 28 Jakarta Barat 11470, Indonesia | **Tel**: +62-21-29 181 383 | **Fax**: +62-21-29 181 380 | **Email**: sales@dymarjaya.co.id | **HalooDymar**: +62-811-811-55-771 | **WhatsApp Business**: +62-811-8254-817