

SecurePass E2EE

Prevent Cleartext Password Exposed

Key Benefits:

- Secure login with PIN/Password verification
- Secure sensitive data distribution
- Suitable for any mobile application use cases
- Using End-to-End Encryption Technology
- Powered with Hardware Security Module
- Against MITM (Man In the Middle Attack)
- Unique encryption key per transaction
- Enhance data protection in transport layer



b4ac76417081ae97a6d3eb160e
680bf06468f54ce8ca3b14086f4
00ae237c4315e1d867d34b86d8
e7d1bb469e81376947903feba9



MOBILE APP

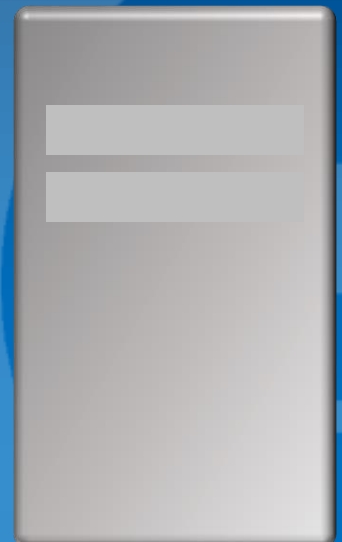
UserID

dymar@dymarjaya.co.id

Password

login

b4ac76417081ae97a6d3eb160e
680bf06468f54ce8ca3b14086f4
00ae237c4315e1d867d34b86d8
e7d1bb469e81376947903feba9



Overview

SecurePass E2EE is an Software Development Kit (SDK) for mobile application and integrated with payment hardware security module (HSM) used to securing PIN, Password or Sensitive Data. It plays a fundamental security role in securing the user authentication, password authentication and sensitive data protection processes.

Common use cases

- Secure login in mobile app, mobile banking and internet banking
- Digital banking registration using card number & ATM PIN
- Secure reset PIN
- Protecting personal data in mobile app input form

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

Back End

- Java, PHP, Golang, etc

Supported Functionality

Front End

- Encrypt PIN, Encrypt Password, Encrypt/Decrypt Data

Back End

- Verify PIN, Verify Password, Encrypt/Decrypt Data, Translate PINBlock

AVAILABLE MODELS AND PERFORMANCE

Verify PIN	250 transaction per second*
Verify Password	250 transaction per second*
Decrypt Sensitive Data	250 transaction per second*

*Using Thales payShield 10K 2500cps

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