Meet Gemalto TSH Pay SDK 6

The optimised payment SDK for your successful mobile payment deployment
Deploy your branded mobile payment for all your customers

By 2025 there will be more than 5.9bn smartphone users worldwide, many of whom will be digital natives. They will expect a personalized payment experience and attractive added-value services. But how can you seamlessly deploy your digital wallet and ensure it stays up to date and secure knowing how fast the digital payment ecosystem is evolving?

To meet the challenges of this fast-evolving market, Thales has developed the Gemalto Trusted Services Hub (TSH) Pay cloud platform, which is designed to digitize any card from any brand into your banking app or payment wallet.

Integrate the Gemalto TSH Pay SDK 6 into your mobile app, or use our off-the-shelf wallet and benefit from the latest ecosystem updates for:

- Card enrolment and identity verification
- Provisioning of card credentials
- Payment key replenishment for secure transactions
- Token lifecycle management
- Proximity and in-app online payment
- International & Domestic networks
- Tokenisation
Unleash your mobile payment services innovation

The keys for success when selecting payment SDK:

Maximise enrolment success rate on your app
Providing innovative services raises the risk of large app size, which may lead to:
- More app deletions
- Fewer downloads
- Slower user experience

Gemalto TSH Pay SDK 6 is lean at only 4 MB, keeping the app size small enough to boost app usage, while supporting the main ecosystem networks and schemes:
- Visa ✔
- Mastercard ✔
- EMV white label ✔
- American Express ✔

Simpler and faster user experience
No need for an app to run in the background. The new SDK6 for Gemalto TSH Pay enables Mobile App developers to deliver a 20% faster Tap&Pay mobile payment experience.

Launch your own mobile wallet in record time
- No need for dedicated White Box Crypto (WBC) generation per wallet app on delivery.
- No need for WBC key ceremony for each payment wallet
- Same team handles both customer onboarding and Level 2 support
- A development portal and sandbox cuts your integration effort by half.

Zero compromise on security
Security varies from one device to another and they are not certified. Gemalto TSH Pay SDK 6 includes all the required security:
- Hardware security based on Android Keystore and iOS secure enclave.
- Device-agnostic software protection with three security layers:
  - Secure Cryptography: Thales Whitebox Crypto Protects payment keys and cryptographic functions
  - Code Protection: All sensitive functions developed in native, Native source code obfuscation, Anti-tampering, Anti-debug
  - Attacks Detection: Roofing detection, Hooking detection, Hacking framework detection, Java source code obfuscation, Anti-emulation

10% more downloads
20% faster
30% lead time saving
How does the enrolment work?

Get your Digital card right away
Lost your physical card? Or just opened a new account? Get your digital card straight away in your mobile banking application:

Or digitise a physical card
Digitise any payment card on your preferred payment wallet:

How does the payment work?

Pay in store via NFC
Use at contactless POS

.. or pay via QR code
For both Android and iOS devices

Pay online (in-app)