



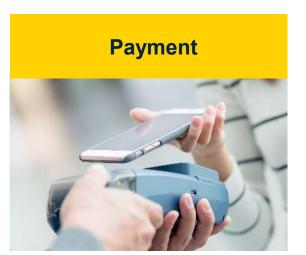
Mobile Security



Mobile security consumer multiple secure applications









NFC wireless charging









ST's offering for security in mobile applications

ST33 eSIM



Leader in Consumer eSIM with

1+ billion units

of ST33 already shipped

ST54

NFC+eSE / NFC+eSIM NFC+eSE+eSIM



Deployed in every **Google Pixel** since 2019

and in all major Android OEMs

STPay-Mobile

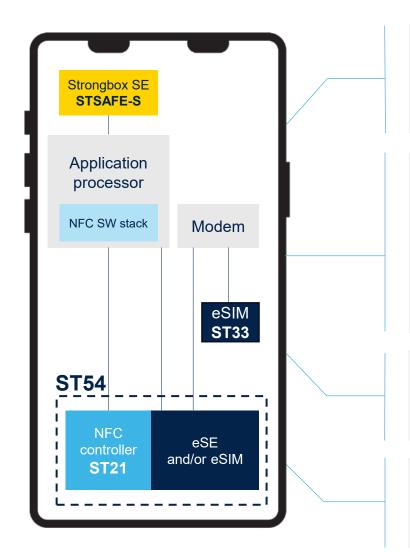
Digital wallet



Digitizing mobile services
worldwide like transit, payment
and access control



A full range of eSIM, NFC, and NFC+eSE/eSIM



ST33 eSIM

#1 source at Tier 1 OEMs

- 1+ Billion units shipped to date
- GSMA SAS-UP certified since 2019

ST54 [NFC + eSE/eSIM] and ST21NFC [NFC Ctlr]

Reference in Android ecosystem

- Recognized RF performances
- Transport (MIFARE®, FeliCa®, China transit), payment, access control
- eSIM convergence with MEP
- Digital car key and UWB secure transactions
- Strongbox Android Ready SE

STPay-Mobile

White label OEM wallet

Strongbox SE

Android Ready SE compliant





ST33 eSIM: #1 in consumer eSIM

ST partners

- Partnership with major eSIM OS developers
- Access to 90+% MNOs worldwide (1)
- Compatible with all eSIM Management Platforms worldwide
- Partnering with undisputable leaders in SM-DP+ deployment
- Support of Non-Terrestrial Network

Standards

• ST participation to key industry standards











ST positioning

- Pioneer in Consumer eSIM deployment
- ST market share: over 90% in 2024 (1)
- 1+ Billion units eSIM shipped to date
- Proven interoperability
- Selected by all Tier 1 OEMs
- Android, iOS, Windows
- Multiple Enabled Profile (MEP) ready
- Tiny WLCSP package





NFC Controller solutions



Validated by most Tier-1 OEMs

ST21 benefits

- Volume production at major OEMs
- Best-in-class RF performance
- Reduced bill of material and power consumption
- Pin-to-pin to ST54



ST54 NFC + Secure Element solutions



Reference solution in Android ecosystem

ST54 benefits

- 3rd generation ST54
- Reference solution in Android
- Referenced in Qualcomm and MediaTek
- Volume production at major OEMs
- #1 Felica, MIFARE® integration in Android framework
- Best-in-class RF performance
- Reduced bill of material and power consumption



ST solution for Mobile OEMs



STPay-Mobile*

enables secure virtual applications



An **innovative** solution for new, connected lifestyles

An **end-to-end** solution to secure the assets that people value the most

A fast and cost-effective way to digitalize services overseas



Mobile ticketing



Mobile payment



Mobile car access



Mobile access control



STPay-Mobile transport solution

Connects to existing technology and schemes

- Virtual transit card emulation on mobile
- Same scheme and technology as existing physical cards
- Compatible with any proprietary and open-transit card standards







Offers a white-label solution: STPay-Mobile

- An ST cloud-based solution powered by SNOWBALL
- A secure transit platform
- Installation, top-up, transaction
- Refund, backup, restore
- Based on ST54 secure element



Deploys a single-tap mobile solution worldwide

- 50 public transit agencies worldwide
- Deployed in 125+ cities globally
- Used by 680 million people in urban areas





STPay-Mobile payment solution

Connects to service providers and standards

 Connected to major token service providers worldwide (Mastercard MDES, Visa VTS, and more)



Compliant with PCI DSS security standards



Offers a white-label NFC wallet: STPay-Mobile

- An ST cloud-based solution
- A certified payment SDK
- Token management
 - TR-TSP (request to TSP)
 - I-TSP (interface)
 - Lifecycle management
- Based on ST54 secure element



Deploys a Plug & Play solution for digital payment services

- For online / in-app / in-store payment
- Android-iOS interoperability
- Multi-user authentication (CD-CVM certification)
- Multi-card enrollment option





Mobile Security takeaways



Our technology starts with You



