



NXP® mID 2GO - Turnkey Solution for Mobile Identity

Digitalize traditional electronic documents for convenience and security in an online world

mID 2GO is a modular end-to-end solution that securely federates, manages and operates digitized identities to conveniently connect people to critical online services.

KEY FEATURES

- ▶ Derive mobile identities from original root electronic documents and securely store them in mobile devices: Best compromise between convenience and security.
- ▶ Secure back-end system offered to public and private service providers delivering online Identity, Authentication and Signature to citizens.
- ▶ Fully modular approach based on open standards, protocols and specifications, enabling faster integration within existing infrastructures.

USE CASES

Public Sector

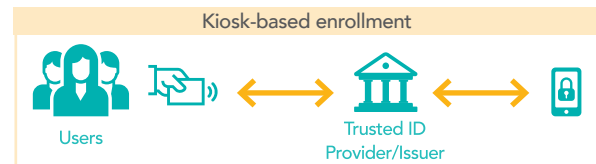
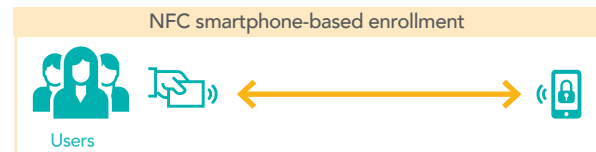
- ▶ Access to public services
- ▶ Tax declaration
- ▶ Birth, death and marriage certificates
- ▶ Apply, renew and manage driving licenses
- ▶ Vote and register to vote
- ▶ Police and roadside control

Private Sector

- ▶ Age verification for accessing restricted items or places
- ▶ Secure building access
- ▶ Airport security, boarding pass and in-flight eID
- ▶ Notary operations (e.g. property management)
- ▶ Financial services (bank, insurance)
- ▶ Medical eConsultation, health records and lab results
- ▶ Car rental and car sharing

TYPICAL APPLICATION WORKFLOWS

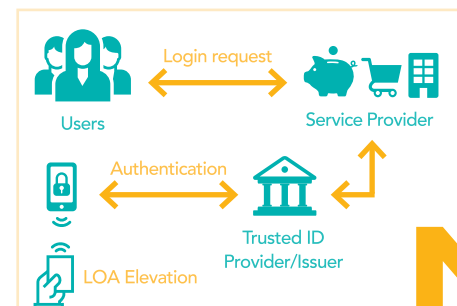
- ▶ Efficient lifecycle management of mobile identities (enrollment, issuance, renewal, unlock, revocation, etc.)



- ▶ Inspection and validation of mobile identities



- ▶ Identification, Authentication and Signature based on mobile identities



BENEFITS

Convenience

- ▶ Fully in line with All-in-One mobile device trend
- ▶ Federated identity allows one credential for all service providers
- ▶ Allows access to critical online services 24/7

Security

- ▶ End-to-end security based on trusted original root electronic document
- ▶ Adaptive solution offering highest possible Level of Assurance (LOA) on mobile devices

Privacy

- ▶ Identity credentials only stored on mobile devices, avoiding storage of personal details and private keys in a central database
- ▶ Users actively decide which entity can access and use their identity credentials

Flexibility

- ▶ 'A la Carte' offer: standalone packages allowing to significantly accelerate time to market
- ▶ Support of all kinds of mobile devices even without NFC-enablement (thanks to the kiosk-based enrollment option)
- ▶ Modular approach allowing integration into existing infrastructure with custom middleware, security, and authentication schemes through a plug-and-play scalable architecture

Cost Reduction

- ▶ Solution owners benefit from cost reduction in system deployment thanks to flexibility
- ▶ Service providers benefit from cost reduction by deferring identity management and its associated liability, avoiding the burden of infrastructure complexity

ABOUT NXP

NXP is #1 in eGovernment and health ID with a market share of more than 43% and almost 15 years of market understanding in eGovernment applications such as electronic passports, ID cards, health, vehicle registrations and drivers' licenses.

PRODUCT FEATURES

| ITEM | PROTOCOLS, STANDARDS AND SPECIFICATIONS |
|-----------------------------------|---|
| Web ID Management Layer | Open ID Connect based on OAuth2 |
| Security & Privacy | <ul style="list-style-type: none"> • Certifiable end-to-end solution based on certified modules • Support of tamper proof hardware originality check in association with MIFARE® IC • End-to-end attribute encryption (from mobile device to service provider) |
| Laws & Level of Assurances (LOAs) | <ul style="list-style-type: none"> • NIST 800-63 (US) • eIDAS regulation (Europe) • GDPR (Europe) Adaptive workflow to comply with legal frameworks and regulations |
| Original Root Electronic Document | <ul style="list-style-type: none"> • NFC - ISO 14443 • Passport - ICAO 9303 • International Driving License - ISO 18013 • National eID / European Citizen Card / eIDAS • NIST (PIV) • Secure Signature Creation Device - SSCD • PKI / Digital Signature - PKCS#11, PKCS#15 • European Health Insurance Card |
| Back-End System | <ul style="list-style-type: none"> • Spring Framework • Apache HTTP server • JBoss/Tomcat Apps Server • SAML/JSON/XML Interfaces • JWT for tokens • PostgreSQL Database • Swagger UI |
| PKI Infrastructure | <ul style="list-style-type: none"> • OCSP and CRL protocols • EJBCA server |
| SDK for Mobile OS | iOS and Android |

MOBILE IDENTITIES HAVE NEVER BEEN EASIER

mID 2GO is based on NXP's Secure Service 2GO Platform, the breeding ground for multiple secure services to grow. The platform allows to digitize payment cards, transit tickets and identity documents in connected devices, benefiting from security and scalability, with the availability to use secure services on the go. The end-to-end solutions connect service providers with IoT OEMs, allowing them to innovative products that deliver the best in cloud-to-node security. Learn more about the growing number of NXP's Secure Services 2GO on www.nxp.com

