

OTA Platform

Managing SIM cards remotely
in real time for best-in-class subscriber
connectivity experience



With the growth of connected devices and the multiplication of network technologies, including 5G, mobile operators need the means to seamlessly update any kind of Secure Elements (SIM cards, embedded SIM, integrated SIM...) after their issuance.

Granting access to the network

By 2025, 70% of all connections will be made by connected objects and 5G networks will cover more than 30% of the population (source: GSMA). Whatever the device used, the SIM card remains essential to provide identity, security and authentication to access any network. IDEMIA's OTA platform helps you maintain a frictionless customer experience. It is maintaining accurate network parameters and settings in your (e)SIM cards.

Making SIM management simple

Our strength is to deliver a simple, robust and reliable OTA platform which is easy to operate without any complexity or deep SIM knowledge. You can administrate SIM using push APIs, automatic updates at first attachment, on-demand updates or using our Campaign Management interface.

Optimizing roaming agreements

Mobility of subscribers is growing and eSIM procurement is changing the game. Our OTA platform includes all necessary features to help you control and propose a fast attachment to your outbound roamers with:

- › Static Public Land Mobile Network (PLMN) campaigns
- › SIM-based steering of roaming
- › Permanent roaming with Multi-IMSI
- › Dynamic regional IMSI allocation

Taking the most of our applets

Our OTA Platform comes with a complete portfolio of SIM applications to add additional features to the solution such as:

- › Device knowledge with IMEI tracker
- › IMEI lock to certify any devices
- › Refresh applet to force updates
- › Mobile Connect

Benefits



Costs optimization

Simplify SIM logistics with post-personalization. Minimize card replacement costs and improve customer care services by avoiding subscribers to return to points of sales.



New revenues

Manage affiliates and MVNOs or deploy SIM services such as Mobile Connect, on top of roaming services.



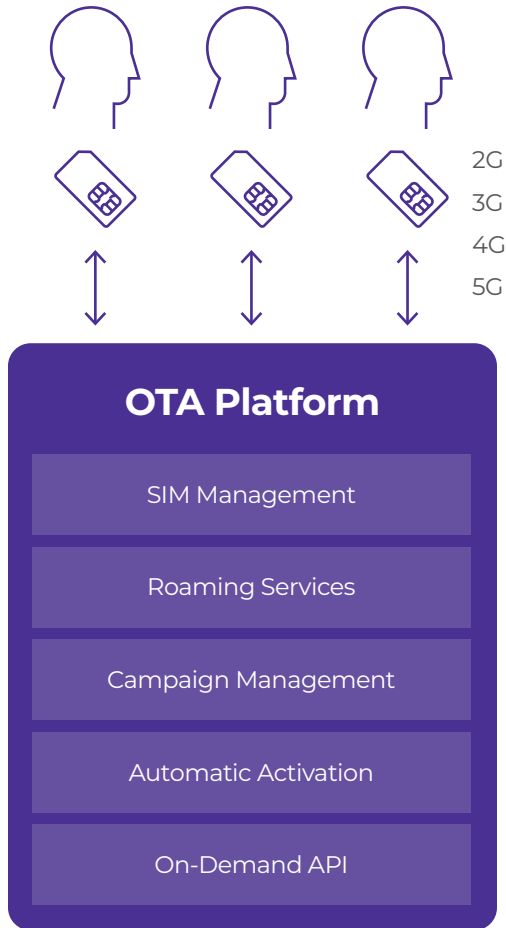
Customer loyalty

Be aware of your customer devices, usage and experience to adapt and reconfigure your SIM cards and avoid churn by ensuring best connectivity.

Why IDEMIA?

Trusted by over 500 mobile operators with more than 100 active OTA Platforms, IDEMIA brings experience and long standing expertise with an Excellence Center dedicated to OTA innovations, and 24/7 customer support in all time zones.

A best-in-class OTA Platform



The OTA platform is compliant with the latest standards and its architecture allows mobile operators to manage a wide range of modules and features.

- › Secure user and role management
- › Interoperable and compatible with any SIM card vendors
- › Remote File Management (RFM)
- › Remote Application Management (RAM)
- › SMS Bearer (Full GSMA 03.48 and 03.40 compliant)
- › BIP-CATTP Bearer
- › HTTP Bearer (GP 2.2 Amdt B with PSK-TLS)
- › REST-full API without limitations of services
- › Multi-tenant to manage affiliates or MVNOs
- › 100% campaign success rate
- › Performance up to 1,000 transactions per second
- › Monitoring, statistics and reporting tools
- › Reliability with contractual SLA
- › Open source software
- › Low footprint server requirements
- › Fast deployment time



Cutting-edge technology

- › 5G services included
- › Agility & DevOps
- › Microservices and containers
- › Kubernetes orchestration
- › NFV infrastructure compatible



And tomorrow?

IDEMIA is anticipating market needs by increasing R&D investments in new features that support 5G, eSIM, GSMA IoT Safe, Radio Policy Management and silent roamers optimization.