

Smart Connect Consumer

eSIM Subscription Manager



Unlock the full potential of eSIM technology with an always-on and just-in-time approach, to address all eSIM devices on the field, anytime, anywhere.

eSIM is set to become the new normal for connectivity

With the adoption of eSIM in most markets and in most consumer devices now a reality, mobile operators must embrace this technology as part of their digital transformation. **eSIM is a disruptive technology** with massive potential to deliver innovative services and a whole new experience for end-users. By 2030, eSIM smartphone connections will reach more than 7 billion, which will represent 50% of smartphone connections worldwide*.

Our offer

IDEMIA Smart Connect Consumer provides mobile operators with an end-to-end eSIM Subscription Management solution to support all eSIM-enabled consumer devices including smartphones, watches, tablets, etc. Smart Connect Consumer is hosted on Microsoft Azure public cloud and comes with game-changing features that enable **just-in-time eSIM profile adaptation, customization, and reprocessing**. The ability to dynamically handle eSIM profiles provides mobile operators with highly simplified processes and the ability to deliver the most adequate user experience for each device, context, and use case.

Smart Connect Consumer is comprised of two major components:

- **Subscription Manager – Data Preparation (SM-DP+)** is responsible for the management, protection, and delivery of eSIM profiles to eSIM-capable consumer devices.
- **Digital Personalization System (DPS)** manages profile ordering, stock management, and simplifies integration with the IT system of mobile operators.

Benefits



On-demand eSIM profiles

Unique features significantly reduce inventory complexity and eliminate eSIM profile obsolescence.



Out-of-the-box user experience

Convenient user experience with no interruption and high eSIM activation success rate.



Secure and scalable solution

Protects the integrity and confidentiality of mobile operators profiles in consumer devices, and supports large-scale deployment of global connectivity needs.

Reasons to choose IDEMIA Smart Connect Consumer

- › Ready to support all consumer eSIM devices in the field-today and tomorrow.
- › Offering full digital onboarding combining ID verification and eSIM activation.
- › Public cloud hosting allows very high availability, geo-redundancy, scalability, virtually unlimited capacity and best-in-class security.
- › 210+ major wins in eSIM subscription management platforms: SK Telecom, Deutsche Telecom, Rogers, Etisalat, etc.

*According to GSMA Intelligence

Smart Connect Consumer is deployed in Microsoft Azure public cloud

Given the exponential growth of eSIM, IDEMIA has chosen to deploy all its eSIM platforms in Microsoft Azure public cloud for both consumer and IoT use cases. Deploying IDEMIA eSIM solutions in Microsoft Azure public cloud provides mobile operators with five main benefits.

Each benefit is made possible by the combination of:

- > the unique capabilities of Microsoft Azure public cloud (“of the Cloud”)
- > the design of IDEMIA solutions (“in the Cloud”)



Very high availability: 99.99% to 99.999% uptime



Resilience: Geo-redundant architecture allows traffic load-balancing



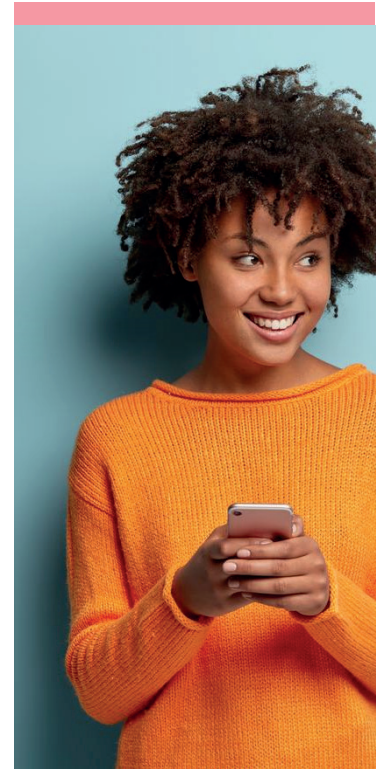
Security: Best-in-class security at every level (every unit, every server, application and service) in terms of confidentiality, integrity and availability



Capacity & elasticity: Ability to handle significant volumes of eSIM transactions and dynamically adapt to traffic peaks



Footprint: With a worldwide presence of Azure regions and the infrastructure-as-code approach, a new region can be easily deployed



Just-in-time eSIM profile generation

Using just-in-time eSIM profile generation, mobile operators can generate the best eSIM profile to match any kind of device, based on a unique eSIM profile type that is dynamically adapted before being downloaded onto the device. This approach not only simplifies inventory management with less Stock Keeping Units (SKU), it also cuts operational costs. IDEMIA offers three game-changing features:



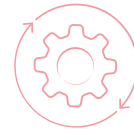
eSIM Profile Customization

Change the content of an eSIM profile at any time before the eSIM profile download



eSIM Profile Dynamic Adaptation

Address all devices with a unique eSIM profile type, dynamically adapted to the target device



eSIM Profile Reprocessing

Eliminate obsolescence by recycling and updating the existing pool of eSIM profiles



Cutting-edge technology

- > Compliance with the latest GSMA specifications
- > GSMA SAS-SM accredited data centers running on public cloud
- > Cloud-native approach for a highly scalable and available solution addressing SIM growth
- > Unique just-in-time eSIM profile generation features



Sustainable eSIM connectivity

- > Capacity to scale with the right amount of resources
- > Commitment to run on 100% renewable energy by 2025
- > Monitoring, analyzing and continuously improving our solutions' carbon emissions
- > eSIM lifecycle analysis verified by Bureau Veritas



And tomorrow?

- > Post-Quantum cryptography
- > In-Factory Profile Provisioning
- > Leverage on eSIM security to become a recognized ID provider