Connectivity Manager

Efficiently managing eSIM car connectivity

Today, eSIM technology is rapidly being adopted by carmakers to unlock the potential of vehicle connectivity. With IDEMIA Connectivity Manager, carmakers can remotely manage the lifecycle of eSIM connectivity to optimize supply chain and car connectivity costs.

Through the years, cars have turned into connected devices on four wheels. As any IoT device, their connectivity needs to be managed.

Today, eSIM M2M is the automotive industry's preferred technology for future-proof and flexible connectivity to connected cars—of which the number on the road is significantly growing with 200 million expected by 2025*.

A platform to efficiently manage the eSIM connectivity of cars

To leverage eSIM M2M technology, IDEMIA provides a cloud-based connectivity management platform that is called Connectivity Manager.

Operator connected car strategies: future opportunities & market forecasts 2020-2025

Connectivity Manager—combined with its GSMA-compliant IDEMIA SM-SR—allows carmakers to manage end-to-end eSIM lifecycles from order to activation, including download, of MNOs' subscriptions into M2M eSIM-equipped connected cars. It enables carmakers to automate processes and manage over-the-air campaigns to optimize supply chain and car connectivity costs.

IDEMIA provides support services to ease integration with OEMs and MNOs IT back-end, onboard new MNOs, automate business processes and manage campaigns.

Benefits

Easy integration

Onboard and manage multiple mobile network operators using an unified interface.

Automated processes

Customize and automate business processes to manage complex campaigns of connected cars.

High availability

Get high availability and increase resilience with a GSMA-certified cloud-based solution.

Why IDEMIA?

With more than 90 major wins in eSIM subscription management platforms, IDEMIA has a future-proof and proven solution in the field with numerous deployments and a strong capacity to deliver at a high level of performance.

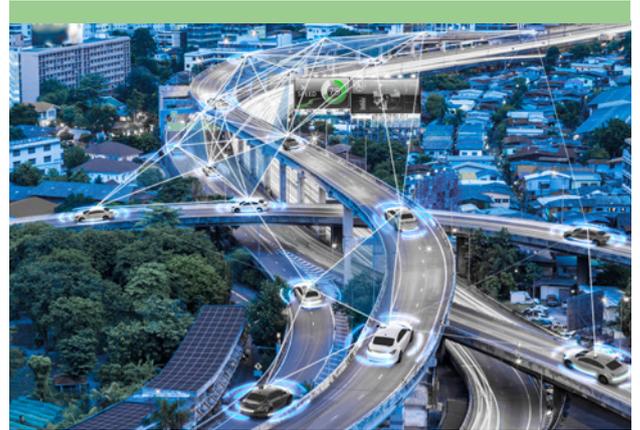IDEMIA Connectivity Manager is compliant with the latest GSMA specifications.

In addition, we are partnering with top MNOs including main mobile operators.
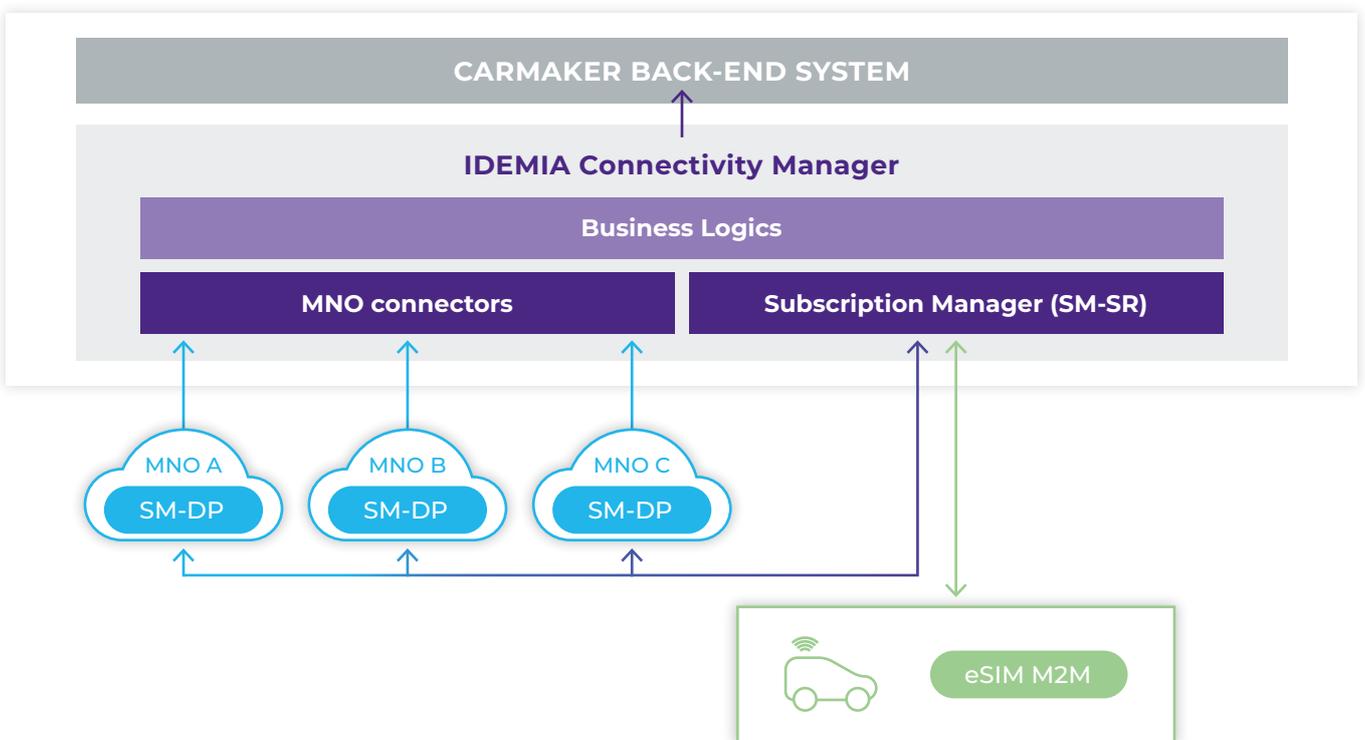
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How it works

Once IDEMIA Connectivity Manager is integrated into the carmaker's backend through a set of APIs, carmakers can manage the eSIM connectivity of their cars.

Carmakers can swap a fleet of vehicle from one MNO to another. To do so, IDEMIA connects Connectivity Manager with the selected MNO's platforms to update the subscription of the concerned connected cars.

Carmakers also can **localize connectivity for each vehicle according to pre-defined business processes,** designed and implement in Connectivity Manager by IDEMIA.

One connection to a single platform to onboard multiple MNOs

CARMAKER BACK-END SYSTEM

IDEMIA Connectivity Manager

Business Logics

MNO connectors | **Subscription Manager (SM-SR)**

MNO A — SM-DP
MNO B — SM-DP
MNO C — SM-DP

eSIM M2M

Cutting-edge technology

› Compliant with the latest GSMA specifications

› Cloud-native solution ensuring fast time-to-market, high availability and scalability

› Supports data privacy and data sovereignty requirements

› Capacity to handle versatile business workflows in unitary or campaign mode for fleets of connected vehicles

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