

DAKOTA Auto

Enabling the deployment and management of global connectivity for cars



Over the next decade, few major industries are likely to be as disrupted by technology as the automotive sector. The connected car, with its portfolio of services, and the rise of autonomous vehicles transforms the world of car makers, Tier 1 suppliers, service providers and drivers alike.

For automotive industry players, the future lies in building long-term, direct relationships with drivers and passengers through an array of personalized digital services.

Our offer

Together DAKOTA Auto, a dedicated range of eUICC for vehicles, and the Smart Connect cloud service (IDEMIA Subscription Manager) provide vehicle connectivity. These services help car makers easily manage connectivity over the course of a vehicle's lifespan while also enabling passengers to enjoy a new connectivity experience. In addition to being GSMA compliant ensuring interoperability, DAKOTA Auto is equipped with a set of features

adapted to the automotive market, such as local emergency profile swap, car localization and local connectivity selection capabilities. Moreover, DAKOTA is already 5G compliant allowing OEMs to anticipate next generation connectivity roll-outs.

DAKOTA is also an ideal solution for non-automotive use cases that require the highest level of quality and environmental performance, such as agricultural or heavy duty equipment.

Benefits



Ruggedized component

Automotive Grade 2 and AEC-Q100 qualified product suitable for harsh environment.



Enhanced functionality

DAKOTA also addresses market requirements not covered by the eUICC specification: enhanced notifications systems with the Subscription Manager, Quality of Services monitoring, emergency profile swap, factory testing, OS update and smart memory management.



Simplified logistics

One single eUICC component is sourced and mounted for worldwide deployment. IDEMIA's Smart Connect cloud solution allows the automatic download of local partner connectivity.

Why IDEMIA?

With 25 years of know-how in SIM manufacturing, secure chip personalization and an extensive expertise in cryptography and security certifications, IDEMIA has implemented state-of-the-art counter measures in its DAKOTA range to guarantee the security of both the OS and the hardware platform. Our products are field-proven and trusted by major

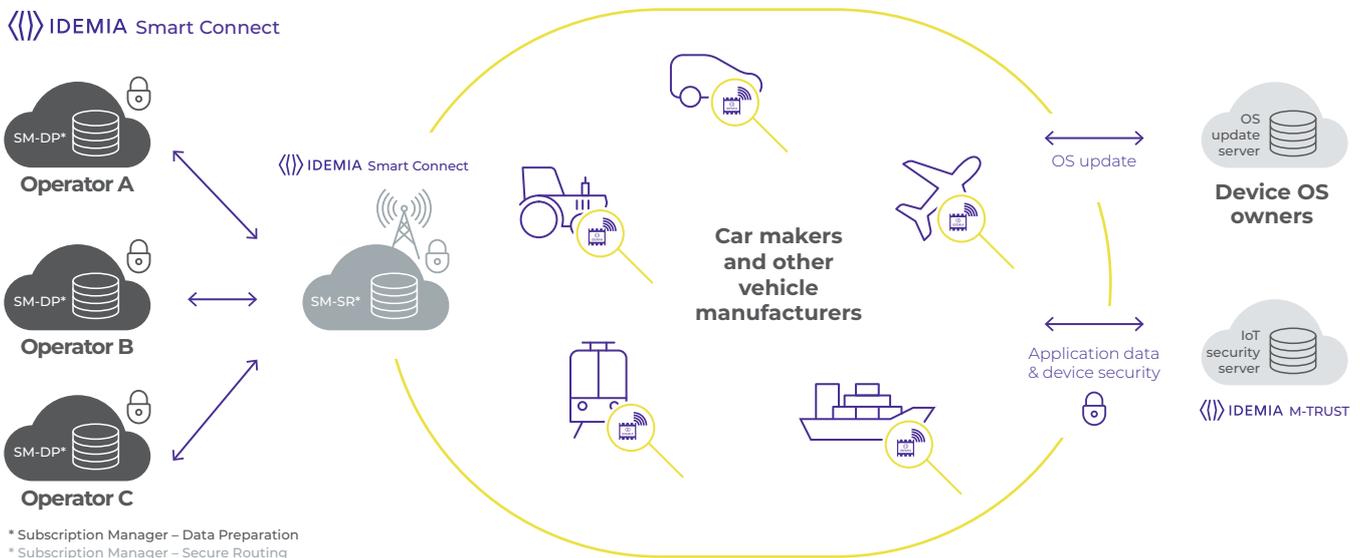
OEMs, Tier-1s and MNOs. IDEMIA is a pioneer in the automotive market, being the first to put eUICC GSMA compliant in deployment with a car maker. We provide flexible connectivity and security solutions to 6 of the top 10 car manufacturers, equipping millions of connected vehicles with our eUICC.

How it works?

Tier 1s integrate soldered DAKOTA Auto, with preloaded profile(s) into the telematics control unit (TCU). The initial subscription, called a bootstrap, can either be used for commercial services or to download an actual subscription, depending on the car's location, car makers' contract terms or any other business regulations.

Associated services such as connectivity management, localization and network quality monitoring, provide best in class solutions for car makers and connectivity providers.

With its OS update solution, IDEMIA ensures long-term support for the eUICC throughout the TCU's entire lifespan. This solution can be easily and securely integrated into the existing server infrastructure of the OEM or Tier 1 performing the TCU firmware update.



Cutting-edge technology

- › GSMA SGP.02 v3.x and SIMAlliance interoperable profile v2.x compliancy
- › Certified by the GSMA
- › Proven interoperability
- › Secure OS update mechanism
- › GOST 33464-215 compliant (ERA-GLONASS)
- › AEC-Q100 certified
- › IMDS listed & GADSL compliant
- › IATF 16949 Automotive Quality Management System Certification



And tomorrow?

At IDEMIA, we are committed, more than ever, to the development and growth of the IoT market with an emphasis on the security of all connected devices. Beyond enabling a secure connection, DAKOTA Auto will also:

- › enable drivers to download their own subscriptions into in-car entertainment system
- › secure V2X (vehicle to vehicle and vehicle to infrastructure) communication
- › provide the Root of Trust for in-car electronic systems