Powering the Software-Defined Vehicle with resilient connectivity

Thales SGP.32 eUICC solutions

THALES
Building a future we can all trust

Powering the Software-Defined Vehicle with resilient connectivity:

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Drive the evolution of digital mobility with Thales Smart Mobility's innovative SGP.32 eUICC, the latest standard for secure, seamless, and flexible vehicle connectivity

As the automotive sector accelerates towards a connected, autonomous and electrified future, Thales delivers the technology that enables smart, sustainable, and resilient transportation infrastructures.

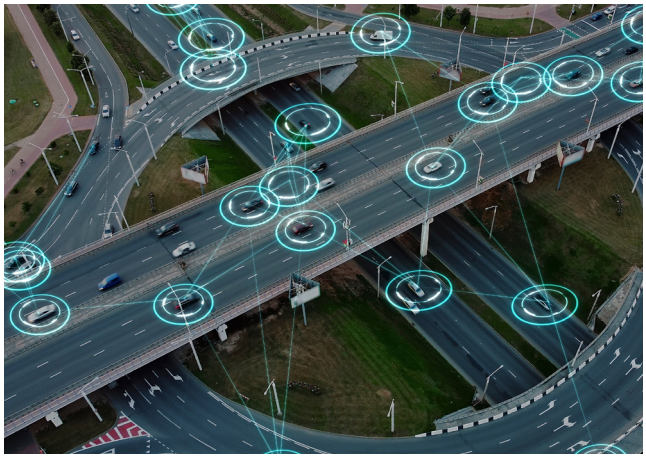
Thales' SGP.32 eUICC solution enhances remote SIM provisioning. By streamlining the connection process, automotive manufacturers, mobility service providers, and fleet operators can now manage vehicle connectivity across its entire lifecycle. Whether mid-production or on the road, connectivity can be updated anywhere in the world, at any time, without ever needing to handle a physical SIM card.

Automotive applications powered by SGP.32

Global vehicle connectivity made effortless

Imagine a single embedded SIM that supports every market and adapts instantly to local requirements. With Thales SGP.32 eUICC, OEMs can equip their vehicles with a universal SIM that is remotely provisioned with the correct operator profile the moment the car arrives at a new dealership or region.

> **Example:** a car manufactured in Japan and shipped to France securely downloads a French operator profile upon arrival. This instantly activates essential services - such as real-time navigation, streaming infotainment, and the European-standard eCall emergency system - without manual intervention or delays.



Dynamic telematics and connected services upgrades

As drivers' demand for advanced digital services grows, the SGP.32 eUICC facilitates seamless over-the-air upgrades. Whether a driver subscribes to diagnostics or high-speed 5G infotainment, Thales' eUICC enables operators to install new profiles and service packages to the vehicle at the touch of a button. Furthermore, when a car changes ownership or moves across borders, switching operators or updating subscriptions remains fast, secure, and straightforward.

Fleet management optimization

Managing connectivity for thousands of vehicles across multiple territories is a significant logistical challenge. SGP.32 eUICC empowers fleet operators and mobility providers to provision and update operator profiles remotely, optimising contracts based on real-time operational needs.

- **Cost Efficiency:** Automatically switch to regional profiles to avoid roaming charges.
- **Constant Uptime:** Ensure logistics fleets remain connected and compliant across every border.

Enabling new mobility use case: V2X

The automotive world is rapidly adopting Vehicle-to-Everything (V2X) communications. Thales SGP.32 eUICC ensures real-time connectivity essential for traffic management, safety alerts, and city infrastructure integration. Thales eUICC seamlessly adapts to these demands, ensuring robust communication.

Thales SGP.32: Resilience & reliability for the automotive industry in an unpredictable world

Thales understands that in today's volatile landscape, geopolitical risks are increasingly unpredictable—creating challenges that were unforeseen only months ago. In this environment, a resilient supplier is no longer optional; it is mandatory for a secure, uninterrupted supply chain. Our SGP.32 eUICC solutions are engineered with this operational excellence and uncompromising quality at their core, specifically designed to navigate the demanding requirements of automotive-grade connectivity.

Global, secure production facilities

Thales operates multiple certified manufacturing sites strategically distributed across diverse geopolitical zones. This multi-continental footprint ensures that our production and delivery remain resilient, independent of localized disruptions in any single region.

This global footprint facilitates local sourcing, significantly reduces lead times, and protects against unforeseen events such as natural disasters, pandemics, or supply shortages.

Multi-sourced semiconductor strategy

To guarantee long-term delivery and availability, Thales implements a diversified sourcing strategy through partnerships with several trusted chip suppliers. This approach reduces the risk of single-supplier dependency and ensures the continuity of supply, helping manufacturers navigate fluctuating market demands or evolving regulatory requirements. Our multi-sourcing model also offers greater flexibility in technology choice while maintaining strict compliance with global standards.

Automotive-grade quality and security

Every Thales eUICC is designed to meet the most stringent automotive requirements for reliability, durability, and cybersecurity.

- **Environmental Resilience:** Rigorously tested against temperature extremes, vibration, moisture, and electromagnetic interference.
- **Cybersecurity:** Fully compliant with GSMA and automotive industry standards (ASPICE ISO/SAE 21434 certified), protecting vehicles and end-users from emerging cyber threats.

A partner for the long term

By partnering with Thales, automotive clients gain more than just hardware; they benefit from resilient, scalable solutions, proactive supply chain management. We provide the foundation for connected mobility that adapts to new business models, regulatory changes, and technological advances.

Accelerate your automotive connectivity journey with Thales SGP.32 eUICC

Transform how your vehicles connect, operate, and evolve

Partner with Thales to deliver proven resilience, industry-leading security, and flexibility required for a world in motion.

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