ST4SIM-300

Simplifies remote SIM provisioning

STSECURE

eSIM ecosystem made easy for IoT cellular-enabled devices

ST4SIM-300 is the latest addition to the ST4SIM family. Designed for IoT and industrial-grade applications, ST4SIM-300 is a flexible and scalable eSIM solution. The product is based on GSMA eSIM for IoT specification (SGP.32).

ST4SIM-300 comes with a remote provisioning feature that enables devices to switch between telecom operators through over-the-air updates.

Running on a CC EAL6+ platform, ST4SIM-300 is a highly secure and reliable component that authenticates devices connecting to a mobile operator's cellular network.

KEY FEATURE
- Based on GSMA SGP.32
- ETSI & 3GPP release 17
- 5G SA
- HW CC EAL6+
- IoT & Industrial-grade solution
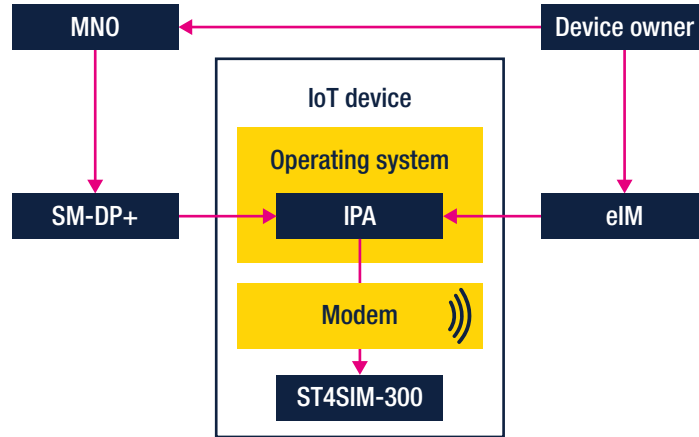- Card plug-ins, MFF2, WLCSP packages

KEY BENEFITS
- GSMA IoT Safe applet ready
- RSP easy adoption
- Interoperability
- Flexibility
- Worldwide coverage

KEY APPLICATIONS
- Smart things
  - IoT
  - Surveillance
  - Smart home & city
- Smart industry
  - Industry 4.0
  - Automation
  - Metering
  - Tracking
- Healthcare
  - Remote patient monitoring

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Profile swap: eSIM for IoT architecture

eSIMs allow remote swapping of operators without physical access. The device owner establishes an agreement with the selected mobile network operator (MNO) and triggers the profile download process through the eSIM for IoT remote manager (eIM). This new architecture significantly simplifies the process of swapping operators for device owners.

A flexible and easy-to-use eSIM solution

ST4SIM-300 was developed according to GSMA eSIM for IoT specification, providing several key benefits:

- **Easy access to remote SIM provisioning functionalities:** the eIM, used for the remote control and management of eSIMs, provides an easy interface for triggering profile downloads.

- **Cost optimization:** no integration required to add a new operator (SM-DP+) in the ecosystem, giving each player the same level of opportunity.

- **Fully interoperable:** with different network technologies, including NB-IoT, and with small devices having limited resources.

Product portfolio

Part number	Application	SIM/eSIM	General description	Hardware	Certification target	Packages
ST4SIM-300S	IoT	GSMA eSIM for IoT	SoC based on GSMA SGP.32	ST33K1M5C	CC EAL6+ (hardware) SoC GSMA eSA	Card plug-in
ST4SIM-300M	Industrial M2M			ST33K1M5M		Card plug-in MFF2 WLCSP