ST4SIM-300 eSIM for IoT

STSECURE

Dedicated to industrial & IoT applications
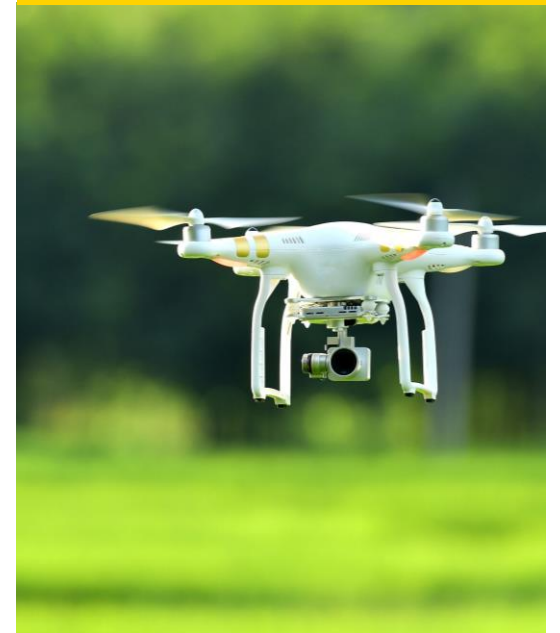
Tracking

Metering

Healthcare
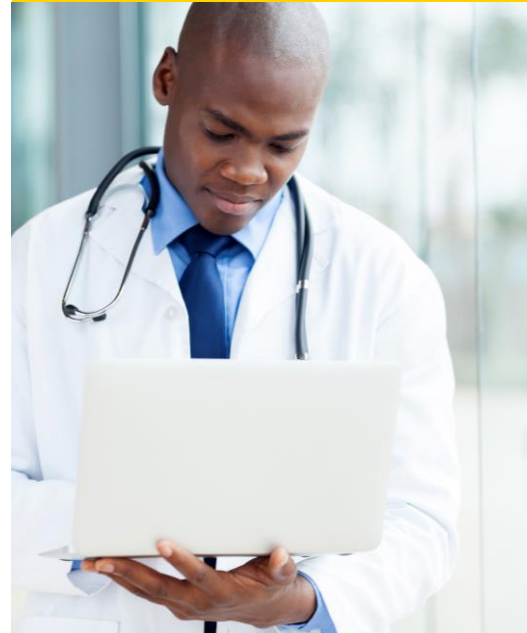
IoT devices

GSMA eSIM SGP specifications

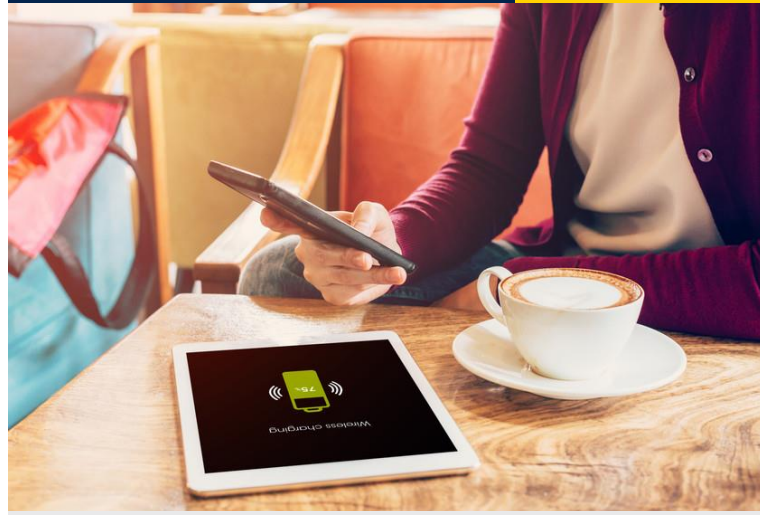**GSMA**

eSIM for M2M	SGP.02
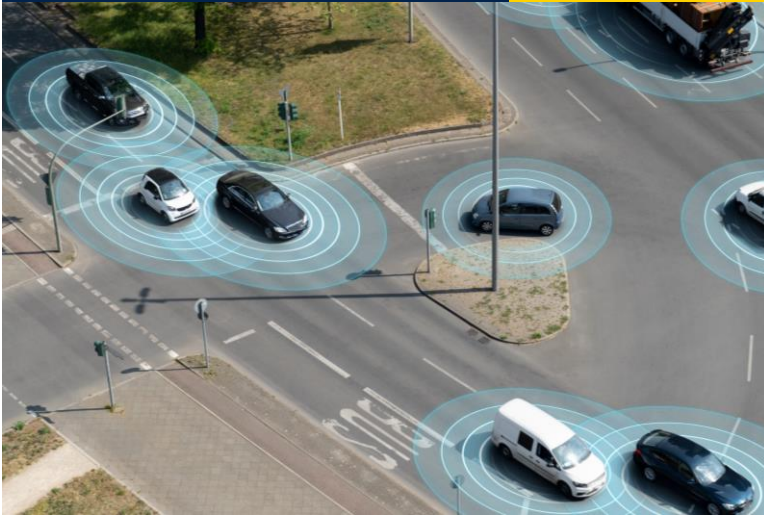
- Version 3.2 in volume production
- Version 4.3 available for 5G

GSMA

eSIM for Consumer	SGP.22

- Version 2.5 in volume production
- Version 3.1 published

GSMA

eSIM for IoT	SGP.32

- Technical spec SGP.32 v1.2

Introduction to GSMA for IoT specification

GSMA SGP.31/32

enables remote SIM provisioning of any IoT device

Benefits

The best of eSIM for Consumer & M2M

- Operators manage the SM-DP+ server to store and send profiles to the devices
- Remote provisioning can work on network without SMS (NB-IoT)
- No pre-integration required, like between SM-DP and SM-SR (SGP.01)
- The profile download is initiated by Service Provider (Push mechanism)
- Compatible with IoT devices that have limited functionalities (no UI)

Combined with additional benefits specific to IoT

- Provides full control to OEMs to bring connectivity into their devices
- Architecture based on interoperability, not on integrations:
  each player has an equal level of opportunity

Secure cellular connectivity solutions for IoT and Industrial

eSIM ecosystem made easy for IoT cellular-enabled devices

GSMA-certified eSIM for IoT solution
based on SGP.32 standard specification

GSMA™

Complete ecosystem provided through partners
eIM, IPA & bootstrap connectivity

Industrial and IoT grade solutions (T° & reliability)

Multiple package formats (Card plugin, MFF2, WLCSP)

Designed for industrial devices

eSIM OS based on GSMA SGP.32

GSMA™

Secure component EAL6+

Industrial grade solution

5G

Certified GSMA eSIM for IoT SGP.32 version 1.2
- Interoperable with all MNO & platform

Advanced operating system
- ETSI & 3GPP Release 17 for 3G / LTE / 5G / Cat-M / NB-IoT networks
- Java Card™ & GlobalPlatform™ compliant, including all advanced cryptography (RSA / ECC)
- Java Card™ applets available for vertical services

Based on ST33K1M5M hardware - Certified product EAL6+
- Arm® Cortex® M35P
- Supply voltage range: 1.8 V, 3 V

Industrial-grade [-40°C, +105°C]
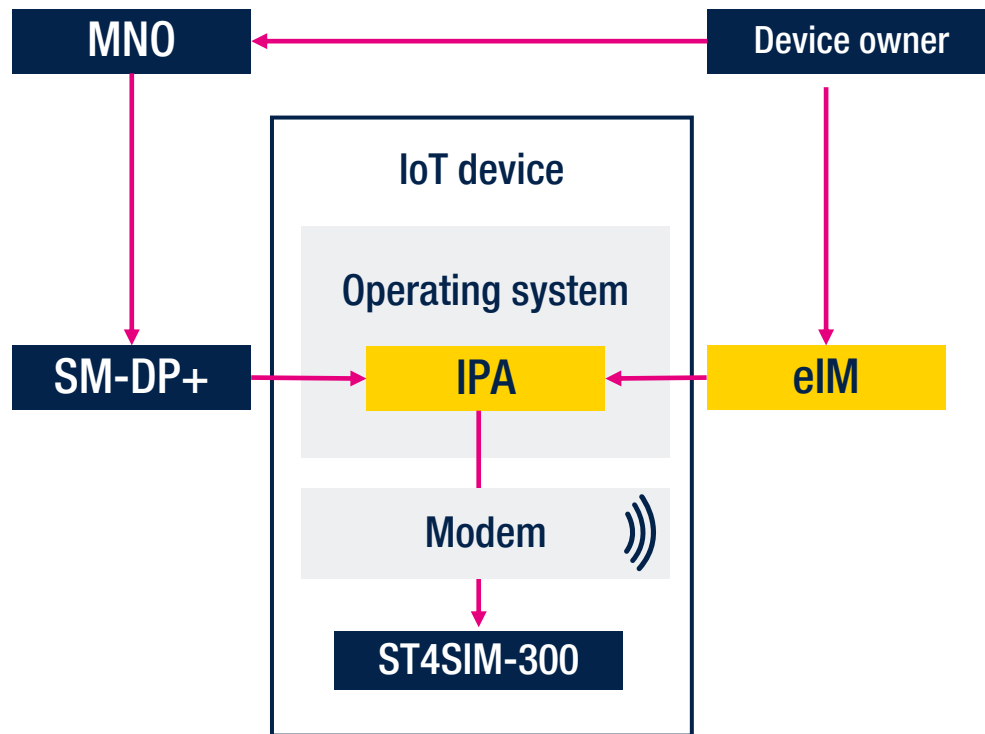- Compliant with ETSI M2M specification TS 102 671

Large choice of packages
- Standard ETSI M2M package DFN 6 x 5 mm (MFF2)
- Smallest package M2M WLCSP
- Ruggedized card body (plug-in: 2FF, 3FF, 4FF)

Simplified eSIM ecosystem with the eIM and IPA

IPA – IoT Profile Assistant

- Interface between the eSIM and the eIM
- Provides functions that enable the remote provisioning
- Two possible configurations:

IPA_d Runs on the IoT device	IPA_e Runs on the eSIM

eIM – eSIM IoT remote manager

- Provides remote interface to trigger profile management on a single IoT device or a fleet of IoT devices

ST4SIM-300 documentation

Press release
Read here

Whitepaper
Read here

Flyer
Download here

Product presentation
Download here

Campaign page
Visit here

Video series
Watch here

Localizing profiles all around the world remotely

eIM server

Download new profile

IoT device → New country → Download local profile through eIM
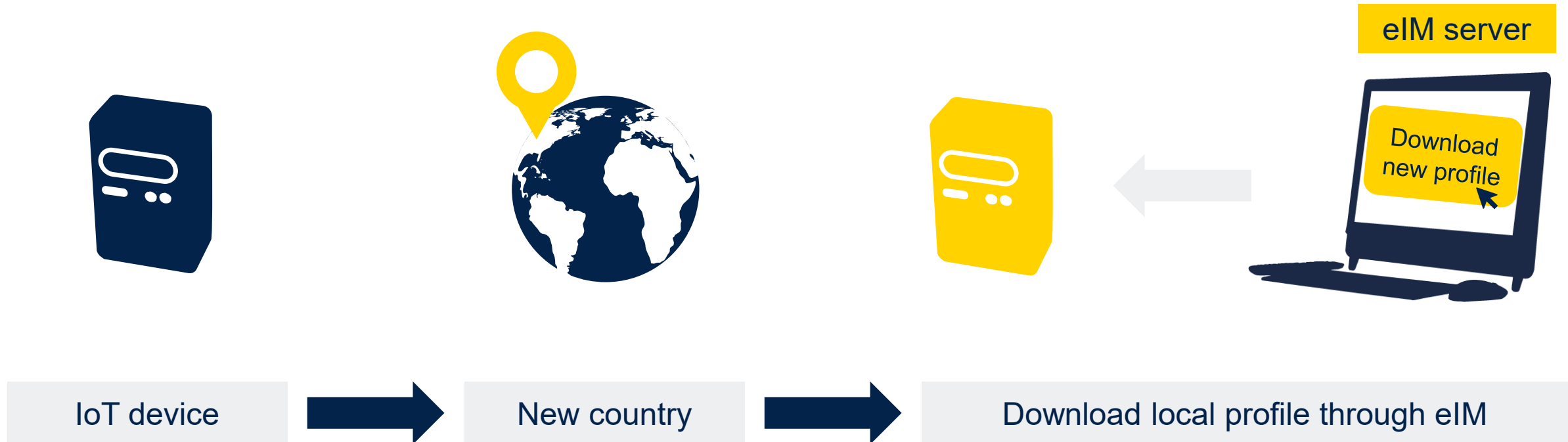
ST4SIM-300 takeaways

Complete eSIM for IoT offer

IoT and industrial-grade solutions

eSIM ecosystem made easy for IoT cellular-enabled devices

Learn more at st.com/st4sim and
st.com/sim-esim

Our technology starts with You

Find out more at st.com/st4sim-300