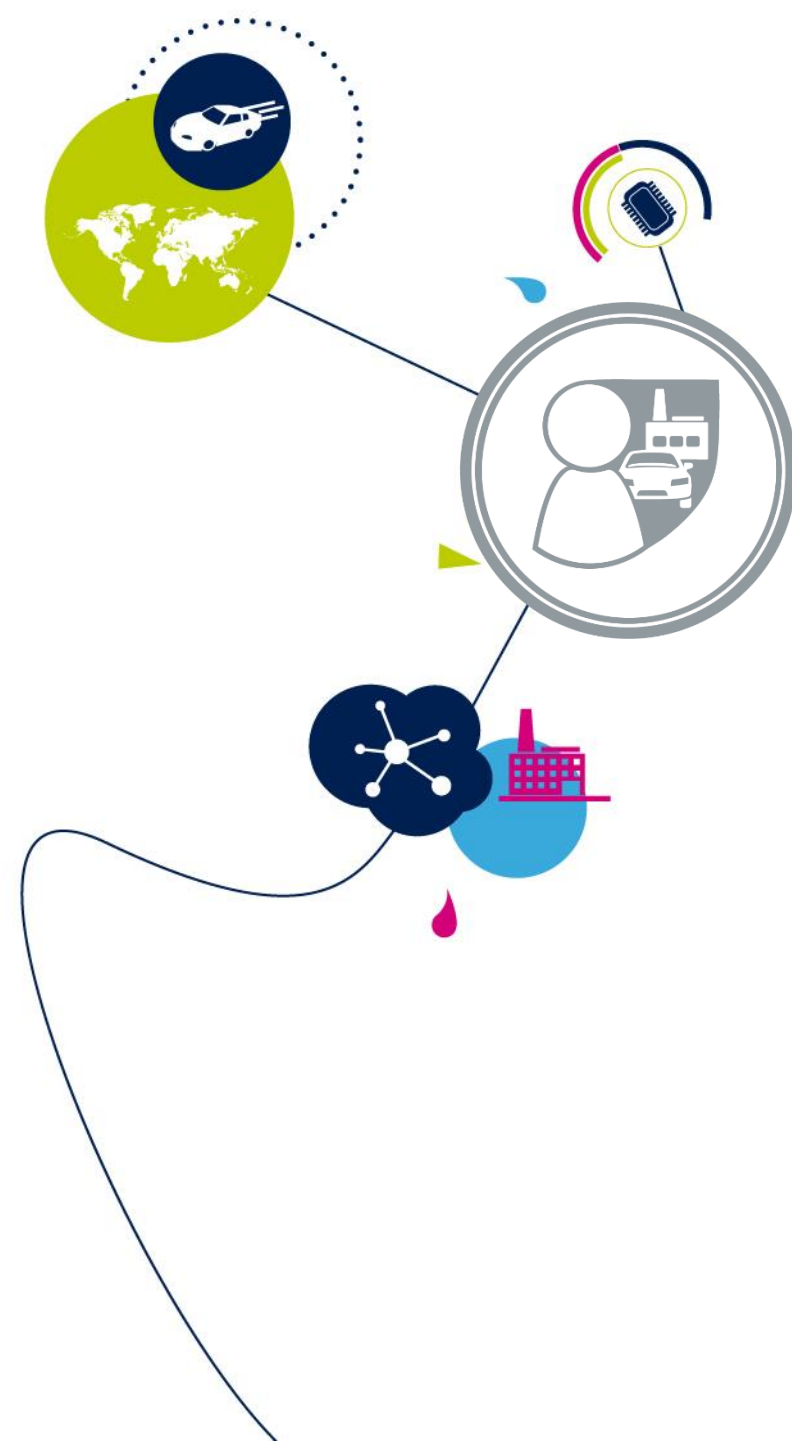# ST4SIM
ST solution for cellular connectivity

Embedded SIM solutions for Industrial & Automotive Markets

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Cellular Connectivity market segments

Smart Things

ST provides innovative solutions to address cellular connectivity in Internet of Things segment with

SIM - eSIM

Smart Industry

ST technology and solutions enable customers to develop cellular connectivity in Industrial, Metering or Tracking applications with

SIM - eSIM - eSIM GSMA

Smart Driving

ST provides cellular connectivity solutions to make driving safer, using emergency call and for entertainment with

eSIM - eSIM GSMA

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Always connected, always under control

SIM	eSIM	eSIM GSMA
• System on chip solution	• System on chip solution	• System on chip solution
• Single Carrier providing Connectivity	• Single Carrier providing Connectivity	• Multi Carrier Connectivity Solution
• Removable SIM card format	• Embedded format (solderable to device)	• Embedded format (solderable to device)
+ Cost effective solution	**+** Optimized footprint	**+** Optimized footprint **+** GSMA Remote SIM Profile Management

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ST4SIM family overview
ST Solutions for Cellular Connectivity

ST4SIM

- Wide range SIM, eSIM and eSIM GSMA Solutions

- GSMA eSIM Certified and Interoperable

- IoT, Industrial & Automotive grade solutions

- Complete ecosystem with connectivity Partners

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ST4SIM Cellular Connectivity
for Industrial & Automotive

Smart Things

Smart Industry

Smart Driving

ST4SIM-S

SIM - eSIM

- Java Card OS / GlobalPlatform compliant
- Low Power features (PSM/eDRX/Suspend/Resume)
- Partners providing cellular connectivity
- Secure hardware ST32H480 & ST33G1M2
- Large choice of form factor:
  D18 (4FF), DFN 4x4.2, DFN 5x6 (MFF2)

ST4SIM-M

SIM - eSIM - eSIM GSMA

- Java Card OS / GlobalPlatform compliant
- Low Power features (PSM/eDRX/Suspend/Resume)
- Partners providing RSP[*] & Connectivity Services
- Industrial grade (JEDEC JESD47)
- Secure hardware ST32F512-M, ST33G1M2M
- Large choice of Industrial form factor:
  D16 (4FF), DFN 5x6 (MFF2), WLCSP
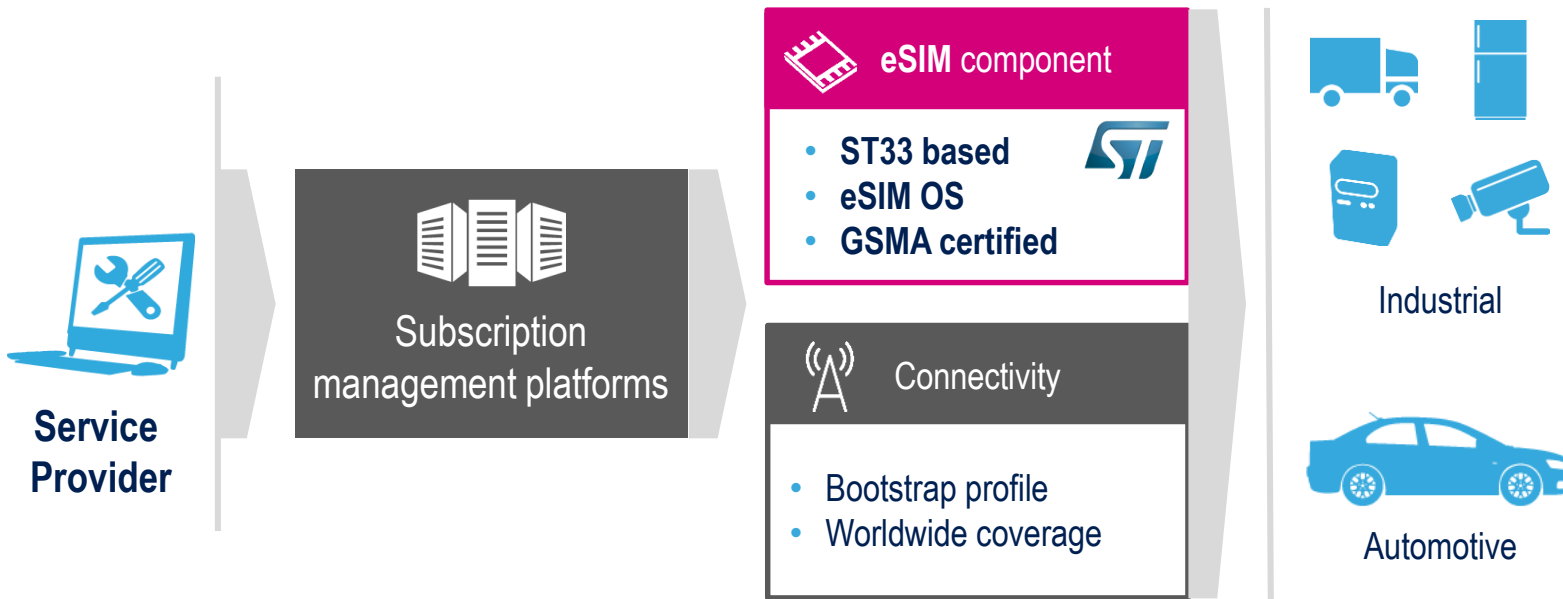

ST4SIM-A

eSIM - eSIM GSMA

- Java Card OS / GlobalPlatform compliant
- Certified for Automotive (AEC-Q100 Grade 2)
- Partners providing RSP[*] & Connectivity Services
- Secure hardware ST33G1M2A0
- Automotive form factor:
  TSSOP20, DFN 5x6 (MFF2)

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[*] RSP: GSMA Remote SIM Provisioning

ST4SIM GSMA eSIM Ecosystem

Flexibility of managing secure connectivity solution for Industrial & Automotive devices

Full eSIM Infrastructure

Service Provider

Subscription management platforms

eSIM component

- **ST33 based**
- **eSIM OS**
- **GSMA certified**

Connectivity

- Bootstrap profile
- Worldwide coverage

Industrial

Automotive

GSMA SGP.02 compliant

- 1st GlobalPlatform certified product (*)
- Interoperable with MNO & all SM platforms

eSIM based on highly secure ST33

Support & Personalization Services

- Profile & data generation
- GSMA certified plant's

Complete solution with trusted partners

- Connectivity solutions
- Worldwide coverage
- Subscription Management platforms for Service Providers & Connectivity Providers

(**) https://globalplatform.org/certified-products/

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Multi-sites GSMA SAS-UP accredited

- SIM /eSIM personalization on multiple packages
  - Marcianise-Caserta (Italy) → Plastic cards/Solderale packages – Data Preparation
  - Rousset (France) → WLCSP package
  - Toa Payoh (Singapore) → WLCSP package

https://www.gsma.com/security/sas-accredited-sites/

Secure Connectivity solution

ST's eSIM solution strengthens its positioning in M2M & Automotive markets

Cellular Connectivity secure solution Leader

SIM / eSIM for consumer or IoT devices (GP / GSMA-certified)

Proven field quality with more than 1 billion ST33 deployed

Strong reliability and security in automotive & industrial markets

Automotive-Grade qualification AECQ-100 grade 2 [-40°C / +105°C]

Industrial-Grade qualification JEDEC [-40°C / +105°C]

Certified Common Criteria solutions EAL5+

State-of-the-art secure product

State of the art, secure and flexible embedded OS (including Certified cryptographic algorithms)

Java Card applet development (Extended OS features and added services)

Standard involvement (GSMA / SIMalliance / GlobalPlatform / 3GPP / ETSI / Car Connectivity Consortium)

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ST4SIM Solutions

Takeaways

- Products covering broad range of IoT and M2M applications

- Reliable Industrial & Automotive solutions

- Proven Interoperability with Connectivity and Service Partners

- Full control over the value chain reducing time to market

ST stands for
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