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# ST4SIM solutions for M2M cellular connectivity



# M2M industrial & IoT

## Growing demand for wireless connectivity applications

### Healthcare



### Smart home & building



### Smart cities



### Asset tracking



### Utilities & industrial IoT



# Connecting everything everywhere

## Several connected devices using cellular networks

Providing  
connectivity  
services  
wherever  
you go



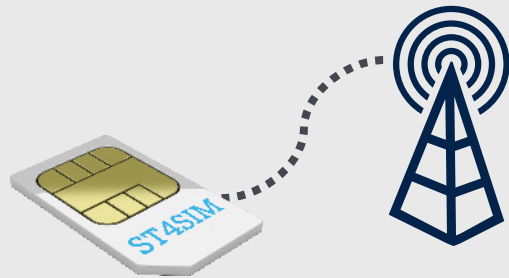
- ✓ Always connected
- ✓ Real-time asset management
- ✓ Improved coverage
- ✓ Flexible connectivity

# Introducing the SIM & eSIM concept

## From the removable SIM to the soldered and interoperable eSIM

### Classical SIM card Removable

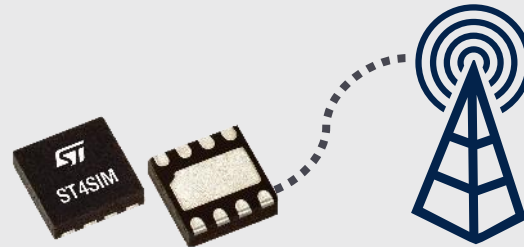
Traditional SIM concept inherited from mobile phone



1 SIM card = 1 operator

### Embedded SIM (eSIM) Soldered

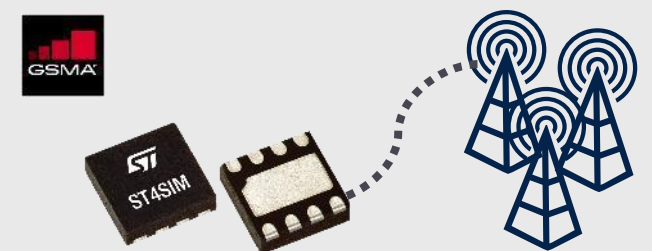
An optimized footprint and reliable package as soldered



1 eSIM card = 1 operator

### GSMA-certified eSIM Soldered & interoperable

Possibility to change remotely the operator without replacing the SIM



1 eSIM card = [X] operator



# ST4SIM solution overview

**Secure cellular connectivity solutions  
for IoT, industrial & automotive applications**

## **Wide range of SIM/eSIM solutions**

based on basic, cryptographic, and GSMA SGP.02 configurations

## **GSMA eSIM certified and interoperable**

with MNOs & subscription management platforms

**Complete ecosystem** with trusted partners for connectivity  
& subscription management platforms

**Industrial & automotive-grade** solutions (T° & reliability)

**Multiple packages** (Card plugin, MFF2, WLCSP)

# ST4SIM ecosystem

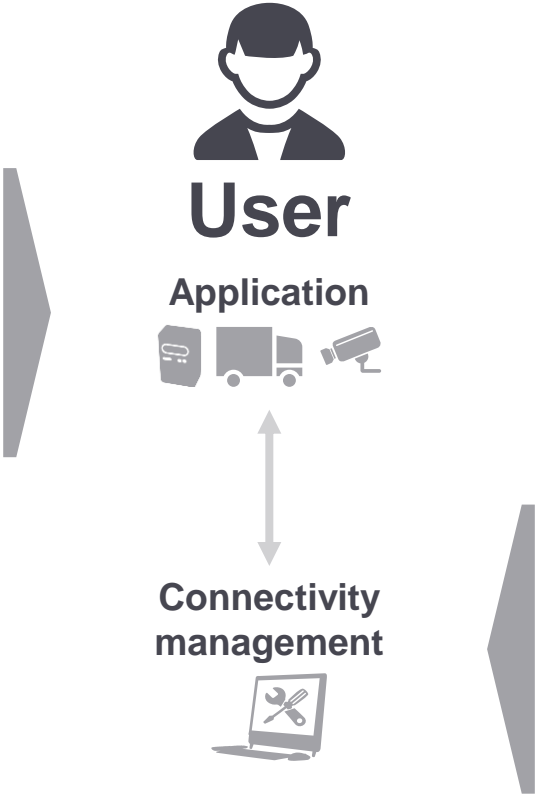
### ST4SIM component






- IoT, industrial, and automotive-grade HW
- Multiple form factors
- SIM / eSIM SoC configuration
- GSMA eSIM certified and interoperable



+ Preloaded connectivity from partners




### Connectivity platforms



Complete ecosystem with

- **SM-SR:**  
Subscription Manager Secure Routing
- **SM-DP:**  
Subscription Manager Data Preparation



# Secure connectivity solutions



## Leader in secure cellular connectivity solutions

- SIM / eSIM for consumer or IoT devices (GP / GSMA-certified)
- Field-proven quality with more than 1.7 billion ST33 family cards deployed



## Highly reliable and secure solutions for the industrial and automotive markets

- Industrial-grade qualification JEDEC [-40°C / +105°C]
- Automotive-grade qualification AEC-Q100 grade 2 [-40° / +105°C]
- Common criteria EAL5+ certified solutions



## State-of-the-art secure products

State-of-the-art, secure, and flexible embedded OS (including certified cryptographic algorithms)  
Java Card applet development (extended OS features and upgraded services)  
Standard involvement (GSMA / Trusted Connectivity Alliance / Global Platform / 3GPP / ETSI / Car Connectivity Consortium)





# ST4SIM solutions takeaways

IoT, industrial, and automotive-grade solutions

Complete cellular connectivity solution with trusted partners

Interoperability with large panel of partners (platform/MNO)





# Our technology starts with You



Find out more at [www.st.com/st4sim](http://www.st.com/st4sim)

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