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ST4SIM solutions for M2M cellular connectivity

STSECURE

M2M Industrial & IoT

Growing demand for wireless connectivity applications

Healthcare



Smart Home & Building



Smart Cities



Asset tracking



Utilities & Industrial IoT

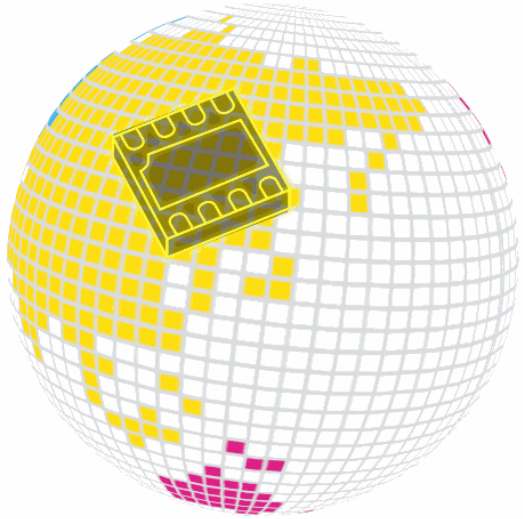


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Connecting everything everywhere

Several connected devices using cellular networks

Providing connectivity services wherever you go



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

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Introducing the SIM & eSIM concept

From the removable SIM to the soldered and interoperable eSIM

Classical SIM Card
Removable

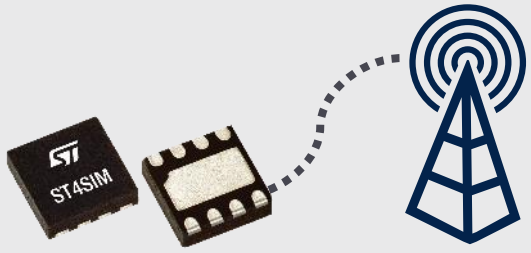
Traditional SIM concept inherited from mobile phone



1 SIM Card = 1 operator

Embedded SIM (eSIM)
Soldered

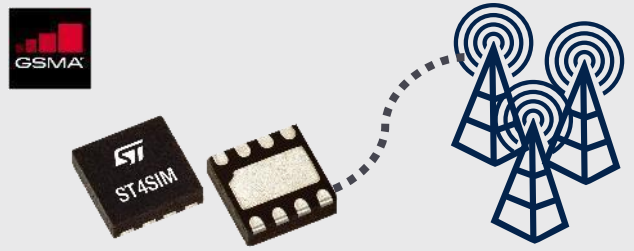
An optimized footprint and reliable package as soldered



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

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ST4SIM solution overview

Secure cellular connectivity solutions for IoT, Industrial & Automotive



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, TSSOP20)

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ST4SIM complete portfolio

Internet of Things



ST4SIM-S

Industrial



ST4SIM-M

Automotive



ST4SIM-A

Basic SIM & eSIM (ST4SIM-100 S / M)

Optimized and Cost effective

Crypto SIM & eSIM (ST4SIM-110 S / M / A)

Advanced secure communication

GSMA eSIM (ST4SIM-200 M / A)

Scalable & interoperable solution

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ST4SIM complete portfolio

ST4SIM meets customer needs

ST4SIM-100x

- Classic SIM compliant to ETSI/3GPP
- Java Card-based OS
- Pre-defined Telecom Operator

+ Available on card plug-in and MFF2
+ **IoT** and **Industrial**
+ Optimized for Low Power (ETSI Suspend/Resume)

ST4SIM-110x

- Classic SIM compliant to ETSI/3GPP
- Java Card-based OS
- Pre-defined Telecom Operator
- Based on **CC EAL5+** certified chip

+ Available on card plug-in, MFF2, WLCSP
+ **IoT, Industrial** & **Automotive**
+ Optimized for Low Power (ETSI Suspend/Resume)

ST4SIM-200x

- eSIM compliant to **GSMA SGP.02 v3.2**
- Pre-defined bootstrap Operator and Subscription Manager from partner
- Based on **CC EAL5+** certified chip & **GSMA certified**

+ Available on card plug-in, MFF2, WLCSP
+ **IoT, Industrial** & **Automotive**
+ Optimized for Low Power (ETSI Suspend/Resume)

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ST4SIM ecosystem

ST4SIM component

- IoT, Industrial and Automotive-grade HW
- Multiple form factor
- SIM / eSIM SoC configuration
- GSMA eSIM certified and interoperable



+ Pre-loaded connectivity from partners

ARKESSA

connected with SORACOM

TRUPHONE

User

Application

Connectivity management

Connectivity platforms

ARKESSA

connected with SORACOM

TRUPHONE

Complete ecosystem with

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



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ST4SIM-200M available at e-distribution

ST4SIM component

Part No. ST4SI2M0020TPIFW



GSMA eSIM M2M with Truphone connectivity

TRUPHONE

Activation procedure here

Distribution

Available at all ST distributors

Scan me or click here

User

Application

Connectivity management

Connectivity platform

TRUPHONE



Subscription Management Platform

Access here

Secure connectivity solutions



Cellular Connectivity secure solution Leader

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

Strong reliability and security in Industrial and Automotive markets

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

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 / Global Platform / 3GPP / ETSI / Car Connectivity Consortium)

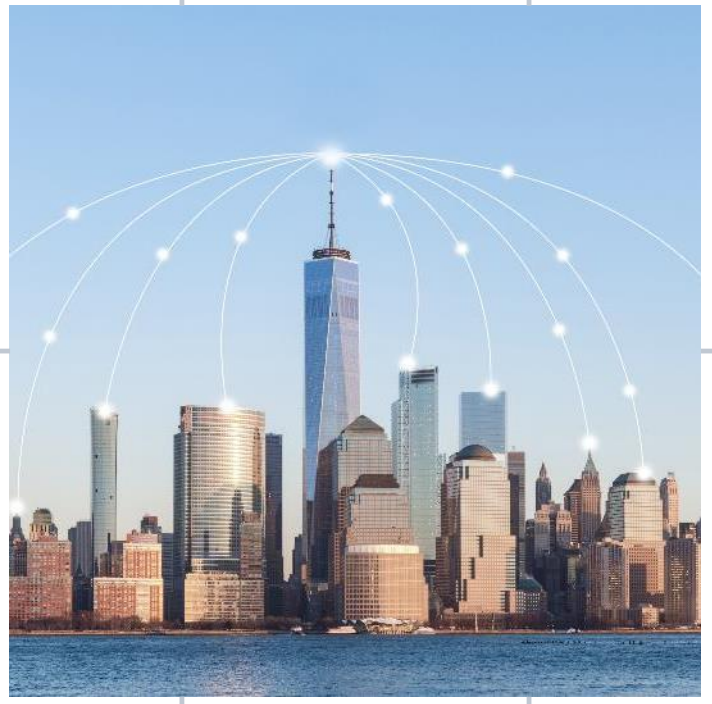
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ST4SIM documentation

Ecosystem page
www.st.com/st4sim

Flyer
Download here

Video animation
Watch here



On-demand webinar
Watch here

ST4SI2M0020TPIFW
Visit eStore here

eSIM whitepaper
Download here

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ST4SIM solutions takeaways



IoT, Industrial and Automotive grade solutions

Complete cellular connectivity solution with trusted partners

Interoperability with large panel of partners (platform/MNO)

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Our technology starts with You



Find out more at www.st.com/st4sim

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