Seamless Security
STSAFE-A110

Ease your secure design with STSAFE-A110
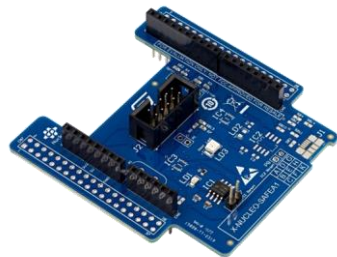
STSAFE-A110

Secure Authentication

Unique ID

Authentication

STM32 Open development platform

X-NUCLEO-SAFEA1

X-CUBE-SAFEA1

Secure Provisioning

Customer credentials

LPWAN, USB Type-C, QI charging

Cloud Attachment

AWS, AZURE

aws

Microsoft Azure

STSAFE-A110

Secure Element for Brand Protection & IoT

Protect your brand
consumables / peripherals

Secure the connected devices
IoT nodes / gateways

- Authentication
- Secure connection establishment (TLS)
- Secure data storage
- Signature verification
- Personalization @ ST factory
- EAL5+ Common Criteria certified

Samples and STM32 Nucleo expansion board available @ distribution www.st.com/STSAFE-A

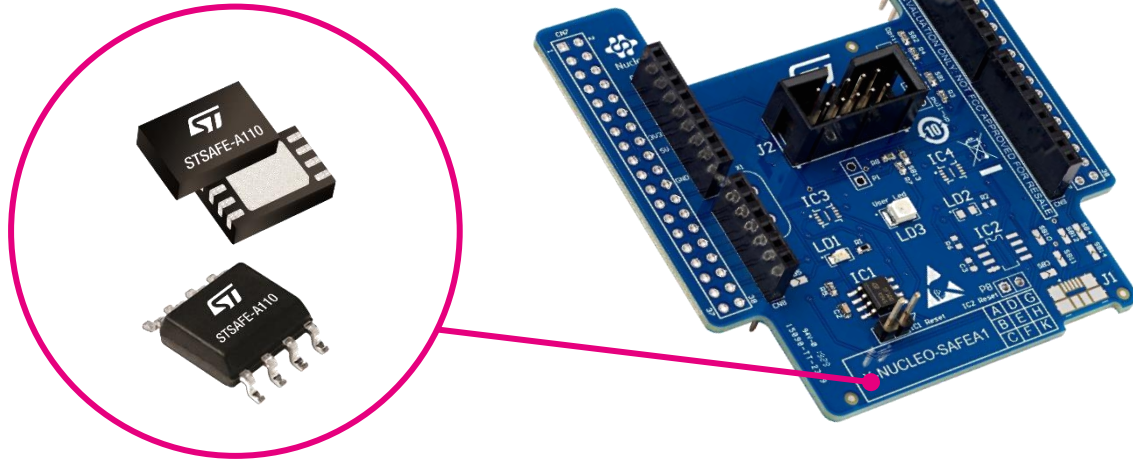### STSAFE-A110
Enriched secure connection & LPWAN

- Customer certificate & keys personalization in an ST secure environment
- **Seamless integration** with **STM32 Nucleo** Expansion board and **CUBE** Software package

STM32 **O**pen **D**evelopment **E**nvironment

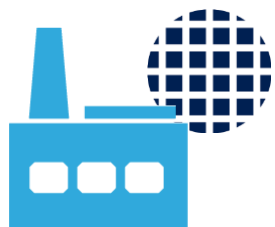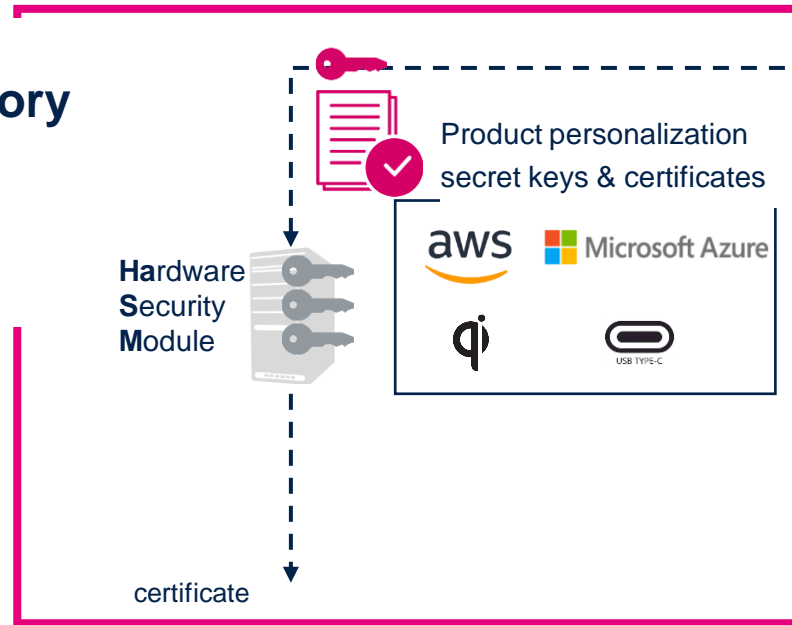**Complete set of tools for seamless integration**

- ODE STM32 expansion board

- Pre-personalized STSAFE-A110

- Arduino™ interface

- STM32 Cube development ecosystem

- Drivers and examples source codes

STSAFE-A Secure provisioning

ST PERSONALIZATION FACTORY

Interaction with customer

Personalization @ST secure factory
available from 5Kunit (MOQ)

Cloud zero-touch provisioning

Product personalization secret keys & certificates

aws   Microsoft Azure

qi   USB TYPE-C

Hardware
Security
Module

certificate

Chip development and packaging

Personalization

CUSTOMER

certificate