



ST25DA-C

Connect your home to Matter





**Looking for a simple way
to boost Matter
adoption?**





Choose Matter
device commissioning
over NFC



All it takes is a simple tap



What is device commissioning?

Device commissioning is the process of connecting devices to a Matter network

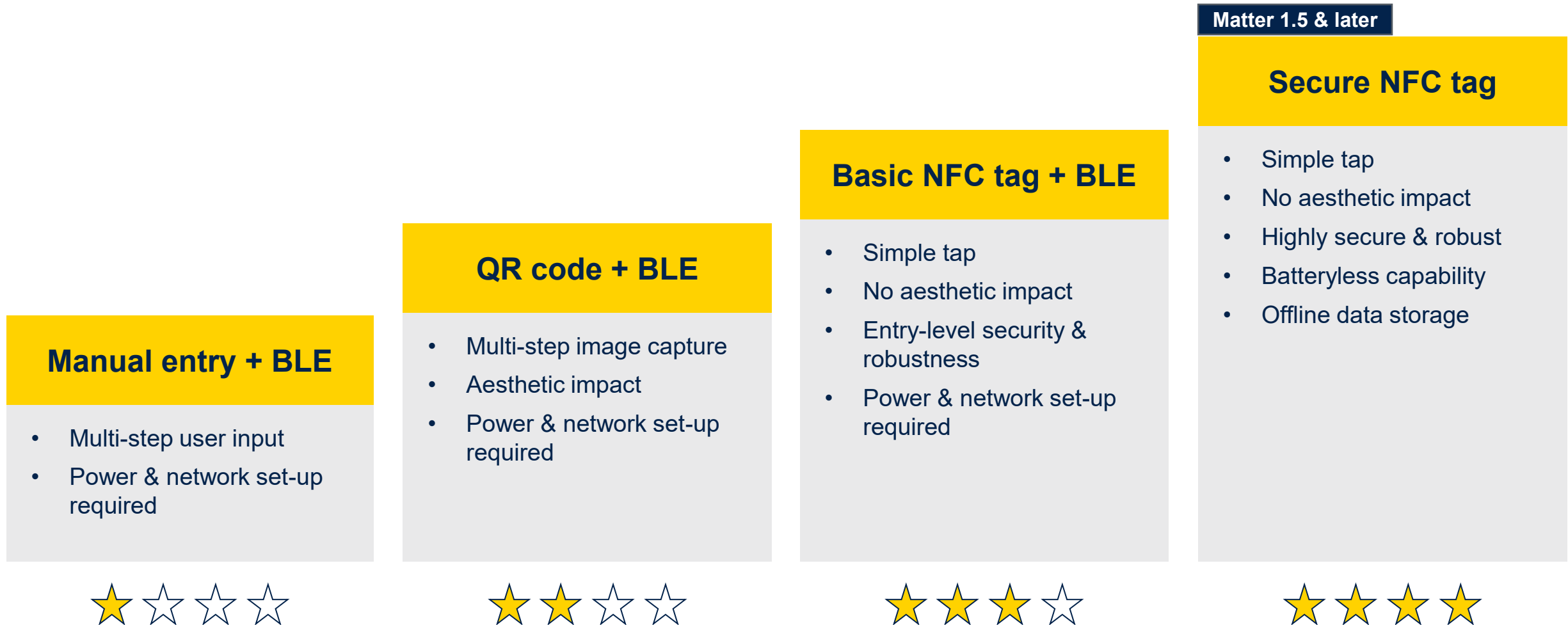


Until Matter 1.4.2, the commissioning flow involves multiple connectivity channels (i.e. BLE + QR code or NFC tags or manual entry).

Starting with Matter 1.5, a single connectivity channel can be used for device commissioning: NFC.

NFC tags designed for Matter 1.5 & later make adding devices to a network faster, more stable, and enhance UX.

How to upgrade UX with Matter device commissioning?





ST25DA-C secure NFC tag

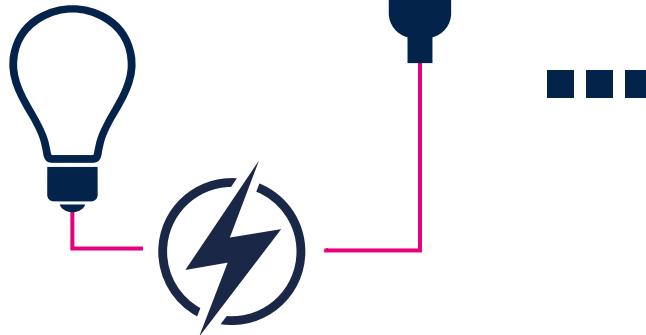
designed for Matter 1.5 & later

How it works



1

Tap the product



2

Connect to power source



Commissioning completed



Secure

Intuitive

Batteryless



ST25DA-C product features

Industry-first all-in-one connectivity & security solution for Matter

**NFC Forum Type 4 tag
SESIP L3 / HW CC EAL6+**



Key applications

- Lighting devices
- HVAC and climate control
- Security and access control
- Appliances
- Media and entertainment
- Environmental sensors

Use cases

- Battery-less commissioning (Matter)
- FW upgrade over I2C (Matter OTA)
- Secure storage for keys & certificates

Key features

- NFC Type 4 (106/212/424/848 kbps)
- I2C target, up to 400 kHz
- ECC, AES 128b, TRNG, SPAKE2+ Password Authenticated Key Exchange
- Secure storage up to 3 KB, Secure channel SCP03
- 1.62-3.3 V operating voltage, Temp range -25°C to +85°C
- DFN8 2 x 3 mm
- ST MatterConnect turnkey service for Matter credential provisioning and maintenance

Key benefits

- Commission battery-less devices on Matter network
- Secure storage, signature generation/verification over I2C





ST25DA-C benefits for everyone

Device makers



- No aesthetic impact
- Less code to support (NFC stack)
- Battery-less capability
- Improved user experience

Device installers



- Simple & intuitive tap
- Faster & more stable than BLE
- No power source required
- Easy to identify multiple devices

All-in-one convenient solution to accelerate
Matter device commissioning & smart home adoption





ST25DA-C can address all Matter devices

Matter device types for smart home & building



Lighting, switches, and controls



Appliances



HVAC



Sensors



Cameras



Any device that will be
connected to a Matter network

Our technology starts with You

www.st.com/NFC-MATTER

© STMicroelectronics - All rights reserved.

ST logo is a trademark or a registered trademark of STMicroelectronics International NV or its affiliates in the EU and/or other countries.

For additional information about ST trademarks, please refer to www.st.com/trademarks.

All other product or service names are the property of their respective owners.

