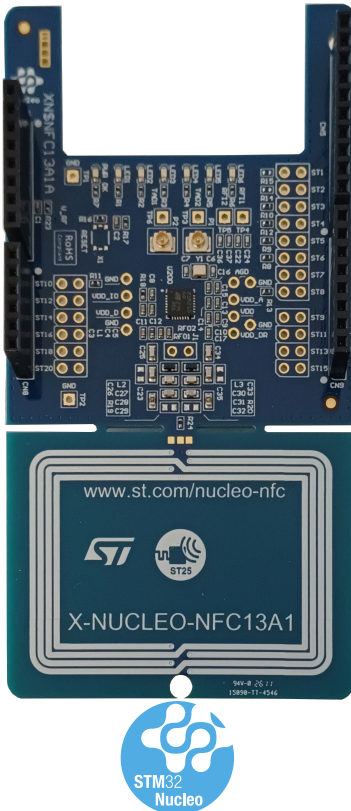


NFC card reader expansion board based on ST25R210 for STM32 nucleos



Features

- On-board NFC card reader and host card emulation IC: [ST25R210](#)
- NFC Forum NFC-A, NFC-B, NFC-F, and NFC-V poller
- NFC Forum NFC-A, NFC-F listener
- 13.56 MHz inductive antenna, 47 x 34 mm, four turns, etched on PCB and associated tuning circuit
- Compatible with STM32 Nucleo boards for easy and quick development
- Six general-purpose LEDs
- Equipped with Arduino® UNO R3 connector
- Free comprehensive development firmware library compatible with STM32Cube and samples for [ST25R210](#)
- FCC certified
- RoHS and WEEE compliant

Description

The [X-NUCLEO-NFC13A1](#) NFC card reader expansion board is based on the [ST25R210](#) device.

The expansion board is configured to support all five NFC Forum tag types in reader mode.

The [ST25R210](#) manages frame coding and decoding in reader mode for standard applications.

It supports ISO/IEC 14443 type A/B and ISO/IEC 15693 (single subcarrier only) and ISO/IEC 18092 communication protocols as well as the detection, reading and writing of NFC Forum type 1, 2, 3, 4, and 5 tags.

Integrated HF reader/NFC initiator/NFC target IC with an antenna etched on the PCB and the related tuning circuit.

Product summary

NFC card reader expansion board based on ST25R210 for STM32 nucleos	X-NUCLEO-NFC13A1
NFC/HF RFID reader IC software expansion for STM32Cube	X-CUBE-NFC13
NFC reader for industrial and consumer applications	ST25R210-ANET
Applications	Wireless connectivity

Revision history

Table 1. Document revision history

Date	Revision	Changes
11-Mar-2026	1	Initial release.
19-May-2026	2	Updated Cover image.

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